CATALOGUE No. 6691

BAHCO

TOOLS

A/B B. A. HJORTH & C:o,
STOCKHOLM - SWEDEN

CATALOGUE No. 6691

BAHCO

TOOLS

MANUFACTURED BY:

A/B B. A. HJORTH & Co.

STOCKHOLM · SWEDEN

DROP FORGED TOOLS
BAHCO
SWEDISH STEEL

Quality tools drop-forged of specially selected Swedish steel, hardened and individually tested.

BAHCO Tools are QUALITY tools, because:

1) The STEEL of Bahco Tools is an alloy of finest quality Swedish steel, acknowledged to be the finest in the world; its strength and toughness is further enhanced in the Bahco Works by drop-forging, hardening and tempering of each component part of the tools, with the result that Bahco tools are unequalled for **reliability.**

2) The WORKMANSHIP in Bahco tools is of the very highest class: they are precision instruments, produced by skilled workmen and the most modern machinery; every tool is hand fitted and operates excellently in the hand of the user.

3) The TESTING comprises scientific control and a personal inspection of every individual tool. Every Bahco tool is perfect, and any subsequent Bahco you buy will be quite as satisfactory as the first.

To go over to Bahco tools is not a trial, it's progress.

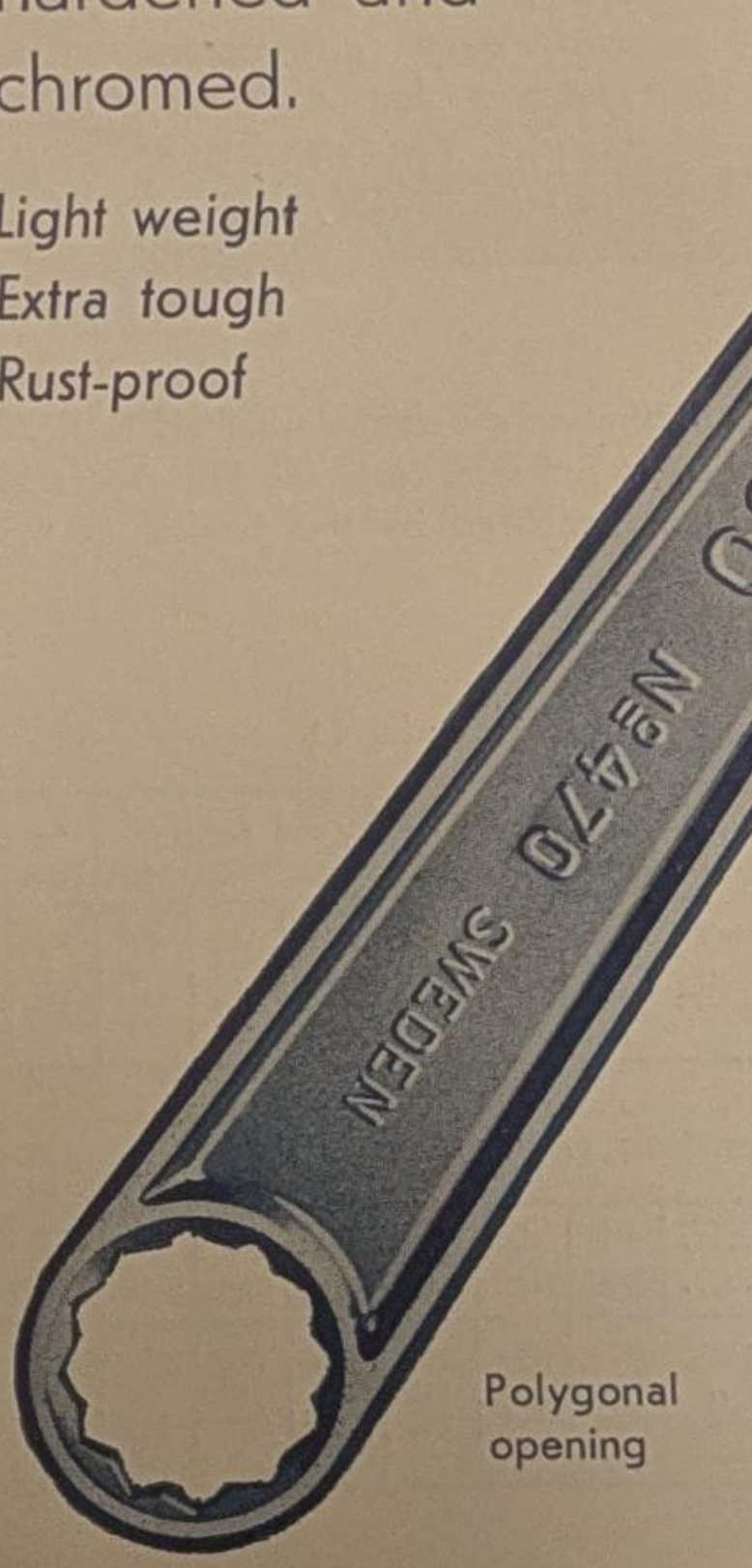
DROP FORGED TOOLS
BAHCO
SWEDISH STEEL

Adjustable Spanners of chromium-nickel vanadium-steel

drop-forged, hardened and chromed.

Light weight
Extra tough
Rust-proof

Display stand No. 1028 for spanners Nos. 470, 471, 472 and 473 (4 spanners).



Polygonal opening

Real "de Luxe" spanners for exacting motorists, etc. Note that the groove or depression in the handle goes up to the knurl; this gives the thumb a better purchase and facilitates the adjustment.
The angular "set" of 15° between the jaws and the handle is technically correct, as it allows a minimum "swing" for turning a nut placed in a narrow or awkward position.

Number	470	471	472	473
Code-word	Viocq	Viodr	Viofz	Vioil
Largest span ... inch.	3/4	1	1 3/16	1 11/32
Length ... "	6	8	10	12
Polygonal opening ... "	1/2	5/8	3/4	7/8
Weight, about ... lbs.	1/4	1/2	7/8	1 5/16
Price ...				

Adjustable Spanners

World-famous quality tools. Drop-forged of specially selected Swedish steel. Quick and easy adjustment. One spanner for all sizes of nuts within the maximum span. Indispensable for modern mechanics.

The illustration shows the spanners Nos. 71 and 81 in full size. Note the full access to the knurl enabled by the groove in the handle.

Angle between jaws and handle 15°

Number	69	70	71	72	73	74	75
Code-word	Vaulm	Vaban	Vacex	Vacmu	Vadbe	Vaddi	Vadix
Largest span.. inch.	1/2	3/4	1	1 3/16	1 3/8	1 3/4	2 1/8
Length ..... "	4	6	8	10	12	15	18
Weight, about lbs	1/8	3/8	5/8	1	1 3/8	2 3/8	3 7/8
Price							

Angle between jaws and handle 45°

Number	81	82	83	84	85	86	87
Code-word	Vaegh	Vaehl	Vaeks	Vaemy	Vaepa	Vafan	Vafbi
Largest span.. inch.	1	1 3/16	1 3/8	1 3/4	2 1/8	2 7/16	3 1/4
Length ..... "	8	10	12	15	18	24	30
Weight, about lbs	9/16	15/16	1 3/8	2 3/8	3 3/4	7 3/8	13 1/4
Price							

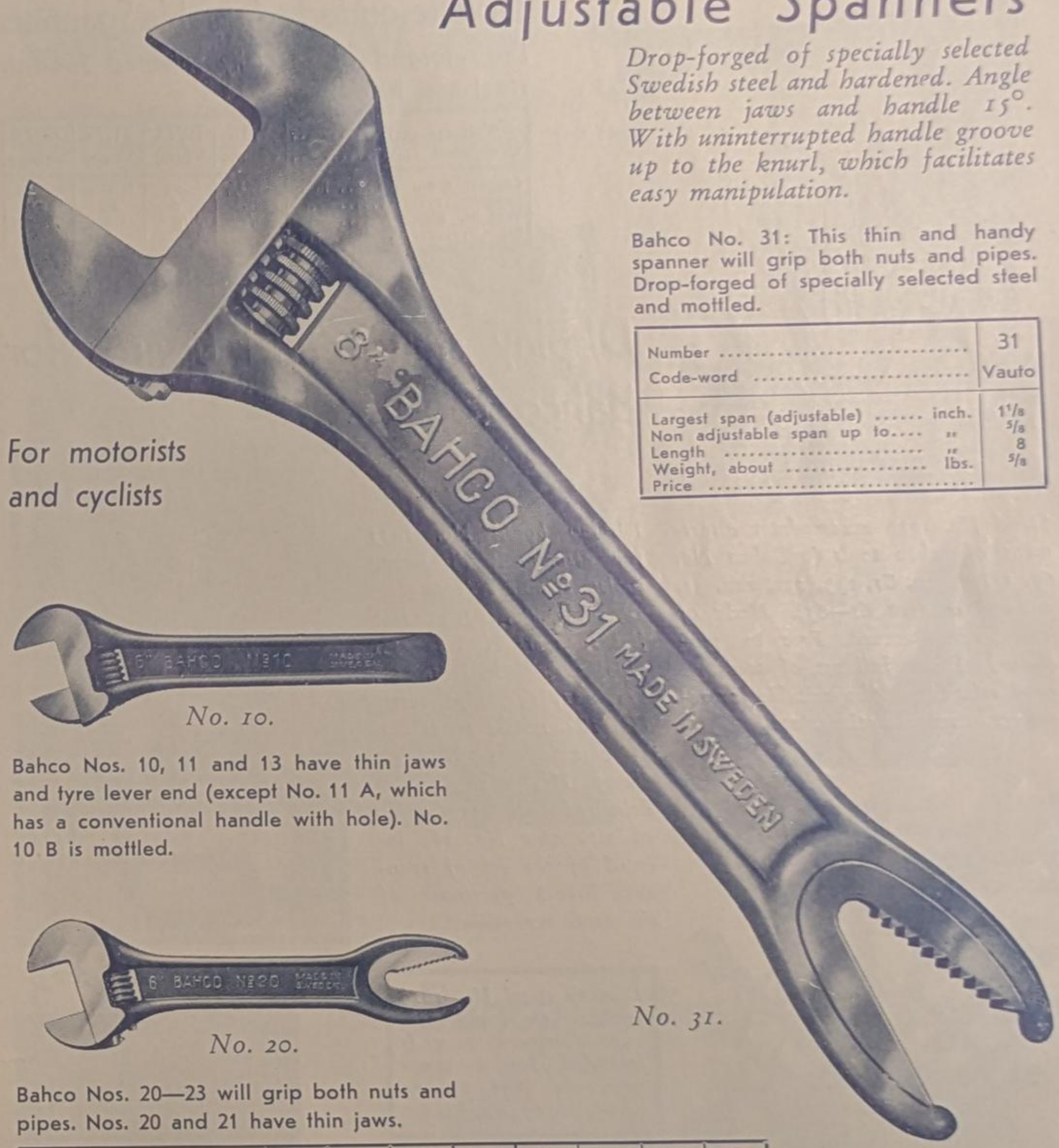
BAHCO

Adjustable Spanners

Drop-forged of specially selected Swedish steel and hardened. Angle between jaws and handle 15°. With uninterrupted handle groove up to the knurl, which facilitates easy manipulation.

Bahco No. 31: This thin and handy spanner will grip both nuts and pipes. Drop-forged of specially selected steel and mottled.

Number	31
Code-word	Vauto
Largest span (adjustable) ..... inch.	1 1/8
Non adjustable span up to.... "	5/8
Length ..... "	8
Weight, about ..... lbs.	5/8
Price	



No. 31.

For motorists and cyclists

No. 10.

Bahco Nos. 10, 11 and 13 have thin jaws and tyre lever end (except No. 11 A, which has a conventional handle with hole). No. 10 B is mottled.

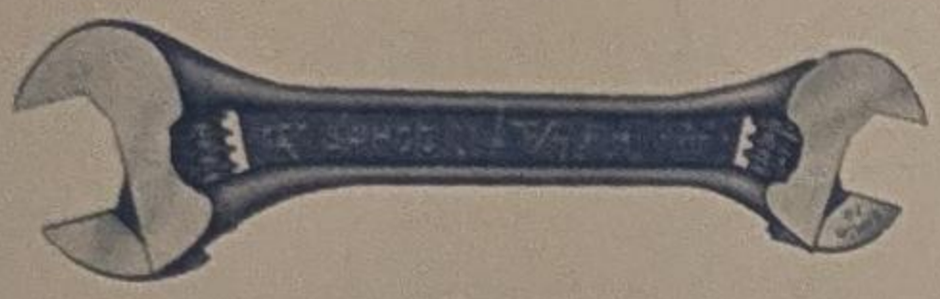
No. 20.

Bahco Nos. 20—23 will grip both nuts and pipes. Nos. 20 and 21 have thin jaws.

Number	10	10 B	11	13	11 A	20	21	22	23
Code-word	Vausk	Vedda	Vaupo	Vauuz	Veyac	Vaunf	Vauox	Vauqa	Veubb
Largest span (adjustable) . inch.	3/4	3/4	1 1/8	1 5/16	1 1/8	3/4	1 1/8	1 3/16	1 5/16
Non adjustable span up to . "	—	—	—	—	—	1/2	5/8	1	1
Length ..... "	6	6	8	12	8	6	8	10	12
Weight, about lbs	1/4	1/4	1/2	1 3/8	1/2	5/16	5/8	1 3/16	1 11/16
Price									

The non-adjustable jaws are calibrated in order to prevent use on too large dimensions.

BAHCO



No. 70/71.

Double-ended adjustable Spanners

Drop-forged of specially selected Swedish steel and hardened.

Number	9/10	70/71	71/72	72/73
Code-word	Veumc	Veuoj	Veupz	Veuqu
Largest span, resp. .. inch.	1/2; 3/4	3/4; 1	1; 1 3/16	1 3/16; 1 5/16
Length ..... "	6	8	10	12
Weight, about ..... lbs	1/4	11/16	1 1/8	1 5/8
Price				

Stand No. 1019 accomodates assortment of Bahco tools (2 Bahco No. 69, 1 Nos. 10, 81, 133, 231, 112, 31, 20 and one set 61—65). Made of iron and japanned. Free to purchasers of the full set of tools. A good sales help. Also suitable for repairers, service stations, etc.

Display stands and boards for Bahco tools

Display board No. 1023 for assortment of Bahco tools: spanners Nos. 9/10, 10, 20, 69, 81, 163, 1 set of flat spanners Nos. 51—55, pipe wrenches Nos. 90, 111, 121, 131, pipe cutter No. 184, smiths tongs No. 1, case opener No. 40, clamp No. 261. Is also delivered with reproduction of pipe vice No. 172 instead of the set of spanners. Free to purchasers of the tools reproduced.

Display board No. 1023.

Stand No. 1020 accomodates Bahco adjustable spanners (2 Bahco Nos. 69 and 70, 1 Nos. 71, 72, 73, 81, 82). Free to purchasers of the full set of tools. Made of iron and japanned. Should be found in every ironmonger's or tooldealer's display. Also suitable for workshop use.

Display stand No. 1029 (similar to stand No. 1028 illustrated p. 3) is intended for 6 spanners, viz. Nos. 69—74 or 69, 70, 81, 82, 83, 84.

Display board No. 1022 for Bahco adjustable spanners Nos. 69—75, 10 and 31. Free to purchasers of the tools reproduced.

Display board No. 1022.

BAHCO

Canvas Rolls for Tools

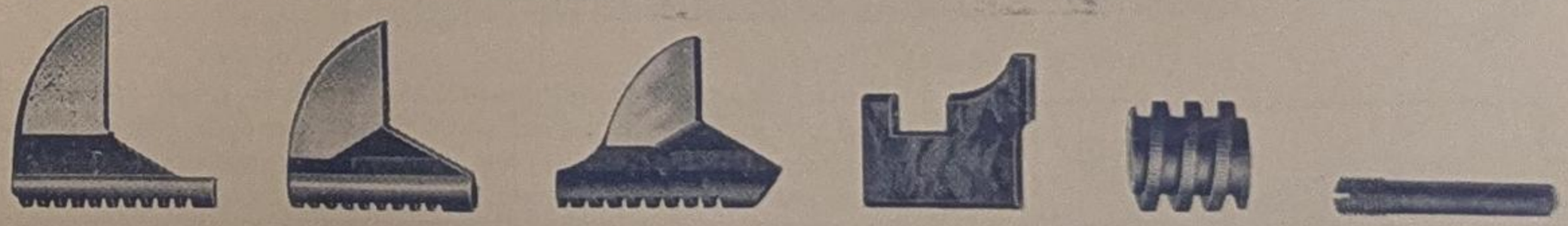
Of strong green canvas with practical sets of tools. For motorists, repairers, service stations, telegraph and telephone workers, etc.

Bahco No. 1013 contains the following tools: spanners Nos. 13, 31 and 69, pipe wrench No. 134, screwdriver No. 283 and combination plier No. 231.

Bahco No. 1012 contains the following tools: combination hatchet No. 41, screwdriver No. 283, spanners Nos. 31 and 69 and combination plier No. 241.

Bahco No. 1011 contains: screwdriver No. 283, pipe wrench No. 133, spanners Nos. 31 and 15 and combination plier No. 231.

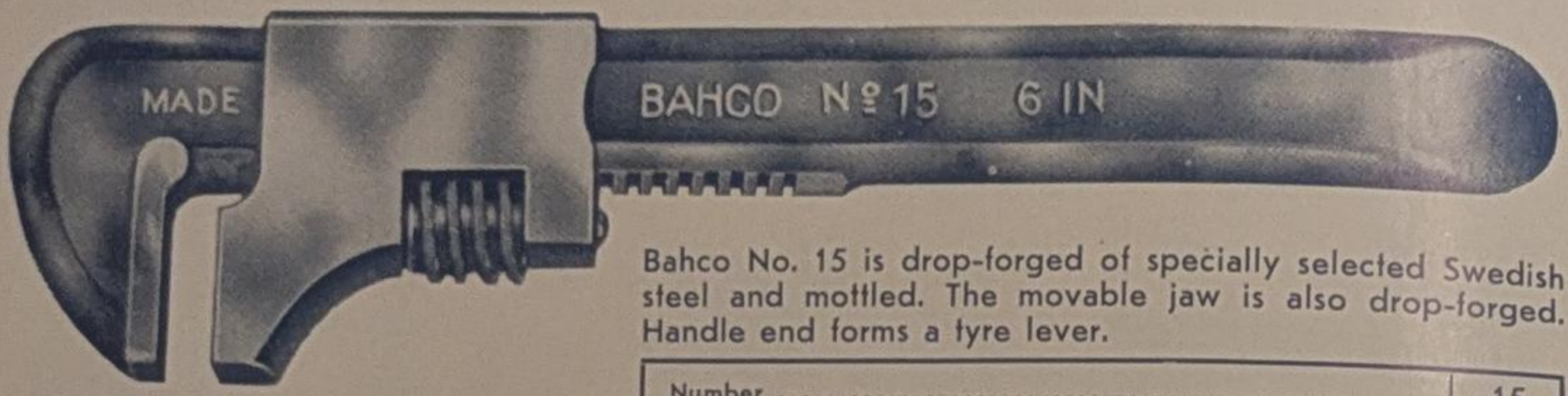
Spare parts for Bahco Adjustable Spanners



Movable jaws for					
Nos. 10, 10 B, 11, 11 A, 20, 21, 31, 69 9/10.	*Nos. 13, 22, 23, 70—75, 70/71, 71/72, 72/73.*	*Nos. 81—87.*	*No. 15.*	*Knurls for each size.*	*Pins for each size.*

BAHCO

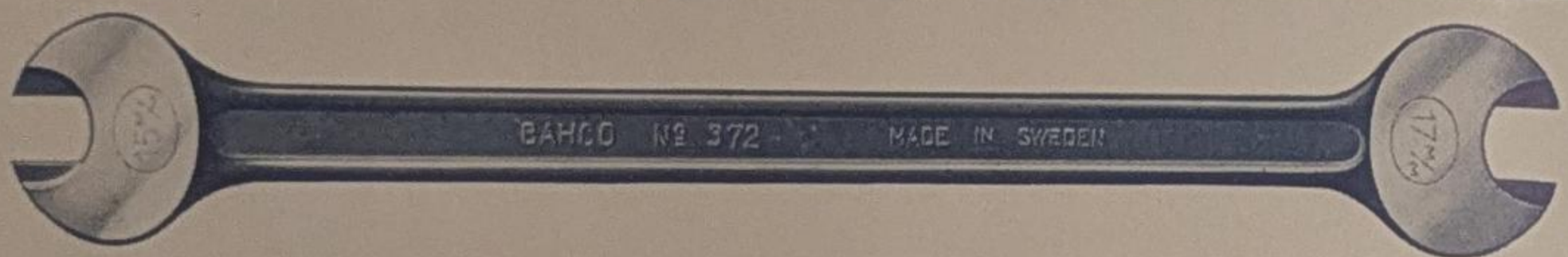
Cycle Spanners



Bahco No. 15 is drop-forged of specially selected Swedish steel and mottled. The movable jaw is also drop-forged. Handle end forms a tyre lever.

Number		15
Code-word		Vidfo
Largest span	inch.	1 3/16
Length	"	5 7/8
Thickness	"	1/4
Weight, about	lbs	1/4
Price		

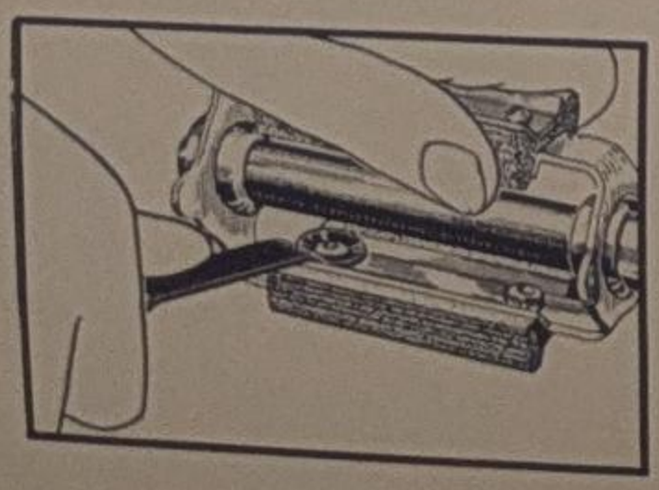
Pedal Spanners



Drop-forged of specially selected Swedish steel and hardened. Indispensable for cycle repairers. Dimensioned to give free space for the hand in any position round the driving wheel.

Number	371	372	373	374	375	377
Code-word	Viatz	Viaul	Viavj	Viaxm	Viayn	Viash
Span, resp. inch.	9/16; 43/64	19/32; 43/64	77/128; 41/64	39/64; 43/64	5/8; 21/32	19/32; 39/64
Length "	15 3/4	15 3/4	15 3/4	15 3/4	15 3/4	15 3/4
Weight, about lbs	1	1	1	1	1	1
Price						

Pedal-rubber Spanner No. 365

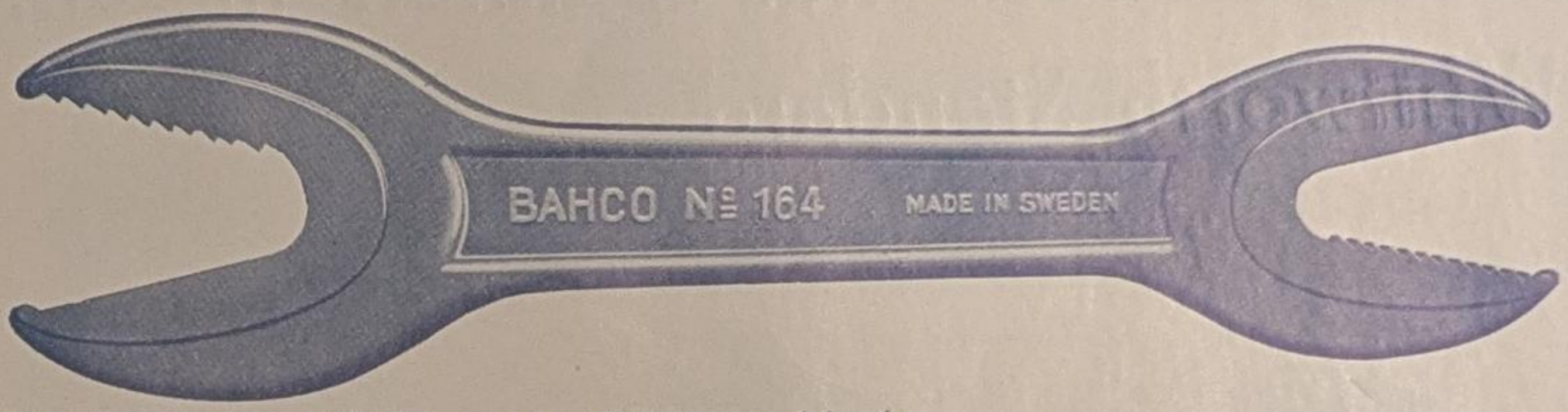


Drop-forged of chromium-nickel-vanadium steel. Hardened and chromed. A practical spanner for replacement of pedal rubbers. Each spanner has two span dimensions for the conventional sizes of nuts.

Number		365
Code-word		Viokm
Span, resp.	inch.	21/64; 23/64
Length	"	5 1/2
Weight, about	oz.	1 3/8
Price		

BAHCO

Alligator Spanners



Drop-forged of specially selected Swedish steel and hardened. The jaws are extraordinarily thin and strong.

Number	163	164	165
Code-word	Vauyl	Vahuk	Vauze
Length inch.	8	$10^5/_8$	$14^3/_{16}$
Span "	$^5/_{16}$–$^9/_{16}$; $^1/_2$–1	$^1/_2$–$^7/_8$; $^3/_4$–$1^3/_8$	$^3/_4$–$1^1/_4$; 1–$1^7/_8$
Thickness "	$^9/_{32}$	$^5/_{16}$	$^3/_8$
Weight, about lbs	$^{11}/_{16}$	$1^3/_{16}$	$2^{11}/_{16}$
Price			

Jaws calibrated to prevent use on pipes of too large dimensions.

Double-ended flat Spanners in sets, mm. & inch sizes

Stamped of specially selected Swedish steel. Mottled. Each set is kept together by means of a screw.

Number and span capacities for each set as follows:

Set No. 50—56 (7 spanners): 8—9, 10—11, 12—13, 14—15, 16—17, 18—20 and 22—26 mm.

Set No. 50—57 (8 spanners): the same capacities as No. 50—56 and 28—32 mm.

Set No. 51—55 (5 spanners): 8—10, 11—12, 14—15, 16—17, 18—20 mm.

Set No. 51—56 (6 spanners): the same capacities as No. 51—55 and 22—26 mm.

Set No. 51—57 (7 spanners): the same capacities as No. 51—56 and 28—32 mm.

Set No. 61—65 (5 spanners): $^1/_4$-$^5/_{16}$ $^3/_8$-$^7/_{16}$, $^1/_2$-$^9/_{16}$, $^5/_8$-$^3/_4$, and $^7/_8$-1".

Set No. 61—66 (8 spanners): $^1/_4$-$^5/_{16}$, $^3/_8$-$^7/_{16}$, $^1/_2$-$^9/_{16}$, $^{19}/_{32}$-$^{11}/_{16}$, $^5/_8$-$^3/_4$, $^{25}/_{32}$-$^{15}/_{16}$, $^7/_8$-1 and $1^1/_{16}$-$1^1/_4$".

Set No.	50—56	50—57	51—55	51—56	51—57	61—65	61—66
Code-word	Veuar	Veugh	Vauvo	Vauwy	Vauxt	Veuin	Veuhl
Span, mm. or inch.	8—26	8—32	8—20	8—26	8—32	$^1/_4$"—1"	$^1/_4$"—$1^1/_4$"
Length of spanners, mm. or inch.	100—200	100—225	100—175	100—200	100—225	$3^5/_{32}$"—$6^7/_8$"	$3^5/_{32}$"—$7^7/_8$"
Weight of set, about lbs	$1^3/_8$	$1^5/_8$	$^3/_4$	$1^1/_4$	$1^{13}/_{16}$	$^{13}/_{16}$	$1^{13}/_{16}$
Price							

BAHCO

Double-ended flat spanners in sets, Whitworth Standard

Stamped of specially selected Swedish steel. Mottled. Each set kept together by means of a screw.

Span capacities according to Whitworth's Standard. Three sets answering to the following bolt sizes:
$^1/_8$, $^3/_{16}$, $^1/_4$, $^5/_{16}$, $^3/_8$, $^7/_{16}$, $^1/_2$, $^5/_8$, $^3/_4$ inch.

Number and span capacities for each set as follows:
Set No. 44—47 (4 spanners): $^1/_4$-$^{11}/_{32}$, $^{29}/_{64}$-$^{17}/_{32}$, $^{39}/_{64}$-$^{23}/_{32}$, and $^{53}/_{64}$-$^{59}/_{64}$".
Set No. 44—48 (5 spanners): the same dimensions, and $1^{7}/_{64}$-$1^{5}/_{16}$".
Set No. 45—47 (3 spanners): $^{29}/_{64}$-$^{17}/_{32}$, $^{39}/_{64}$-$^{23}/_{32}$, and $^{53}/_{64}$-$^{59}/_{64}$".

Set No.		44—47	44—48	45—47
Code-word		Viabt	Viaek	Viacs
For Whitworth Standard Bolts				
Span	inch.	$^1/_8$—$^1/_2$	$^1/_8$—$^3/_4$	$^3/_{16}$—$^1/_2$
Length of spanners	"	$^1/_4$—$^{59}/_{64}$	$^1/_4$—$1^{5}/_{16}$	$^{29}/_{64}$—$^{57}/_{64}$
Weight per set, about	"	$3^{3}/_{16}$—$6^{7}/_{8}$	$3^{3}/_{16}$—$7^{7}/_{8}$	$4^{3}/_{4}$—$6^{7}/_{8}$
Price	lbs	$^{11}/_{16}$	$1^{1}/_{4}$	$^3/_4$

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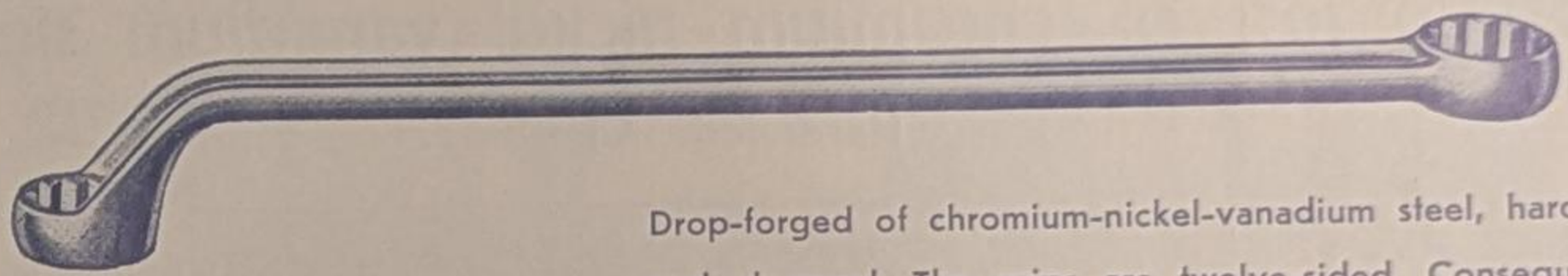
Double-ended spanners with polygonal openings



Thanks to the deep bend and the slender form of the spanner head it is possible to grip very deep-lying and awkwardly placed nuts.

Drop-forged of chromium-nickel-vanadium steel, hardened and chromed. The grips are twelve-sided. Consequently, a six-sided nut can be turned completely around by means of one of these spanners, even if the swing space for the spanner is not more than 30°, i. e. one twelfth of a complete revolution. Same span capacity of both polygonal openings.

Number	3005	3006	3007	3008	3009	3010	3011	3012	3013
Span mm.	—	10	—	11	—	12	—	13	—
" inch.	3/8	—	13/32	7/16	—	—	1/2	—	17/32
For nuts Withworth Std "	—	—	—	—	3/16	—	—	—	1/4
" " S. A. E. "	—	—	—	1/4	—	—	5/16	—	—
" " U. S. S. "	—	—	3/16	—	—	—	1/4	—	—
Length "	7 7/8	7 7/8	7 7/8	7 7/8	8 5/8	8 5/8	8 5/8	8 5/8	9 1/2
Weight, about oz.	3 1/3	3 1/3	3 1/3	3 1/3	3 1/2	3 1/2	3 1/2	3 1/2	4 1/2
Price									

Number	3014	3015	3016	3017	3018	3019	3020	3021	3022	3023
Span mm.	14	—	15	—	16	17	—	18	19	20
" inch.	—	9/16	19/32	—	5/8	—	11/16	—	3/4	25/32
For nuts Whitworth Std "	—	—	—	5/16	—	—	—	3/8	—	—
" " S. A. E. "	—	3/8	—	—	7/16	—	—	—	1/2	—
" " U. S. S. "	—	—	5/16	—	—	—	3/8	—	—	7/16
Length "	9 1/2	9 1/2	9 1/2	10 1/4	10 1/4	10 1/4	10 1/4	11	11	11
Weight, about oz.	4 1/2	4 1/2	4 1/2	5 1/2	5 1/2	5 1/2	5 1/2	6 3/4	6 3/4	6 3/4
Price										

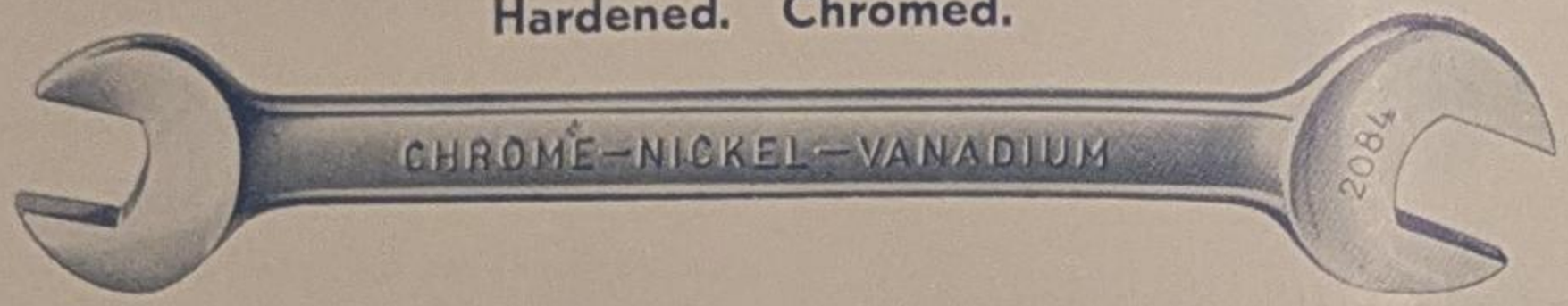
Number	3024	3025	3026	3027	3028	3029	3030	3031	3032	3033
Span mm.	—	21	22	—	23	—	—	24	—	25
" inch.	13/16	—	—	7/8	—	—	15/16	—	31/32	—
For nuts Whitworth Std "	—	7/16	—	—	—	1/2	—	—	—	—
" " S. A. E. "	—	—	—	9/16	—	—	5/8	—	—	—
" " U. S. S. "	—	—	—	1/2	—	—	—	—	9/16	—
Length "	12	12	12	12	12 5/8	12 5/8	12 5/8	12 5/8	12 5/8	12 5/8
Weight, about oz.	10	10	10	10	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4
Price										

BAHCO

Flat, double-ended Spanners

drop-forged of chromium-nickel-vanadium steel

Hardened. Chromed.



Millimeter series:

Number	2000	2001	2002	2003	2004	2005	2006	2007	2007 A	2008	2009	2009 A	2010
Span ..... mm.	6×7	8×9	10×11	12×13	14×15	16×17	18×19	20×22	21×23	24×26	25×28	27×29	30×32
Thickness ..... "	3	3.5	4	4.5	5	5.5	6	6.25	6.25	6.50	6.75	6.75	7
Length ..... "	125	137	150	162	175	190	208	227	227	245	265	265	285
Weight, about .... gr.	15	25	40	60	80	115	160	200	200	270	330	330	410
Price													

For Bolt Sizes, Whitworth's Standard

Number	2060	2062	2064	2065	2067	2067 A	2068	2069	2070
Bolt size .... inch.	1/16×3/32	1/8×3/16	1/4×5/16	5/16×3/8	3/8×7/16	3/8×1/2	1/2×9/16	1/2×5/8	5/8×3/4
Span ..... "	0.26×0.31	0.35×0.46	0.54×0.61	0.61×0.71	0.72×0.83	0.72×0.93	0.93×1.02	0.93×1.11	1.11×1.31
Thickness .... "	1/8	5/32	13/64	1/4	1/4	1/4	1/4	17/64	9/32
Length ..... "	4 15/16	5 29/32	6 7/8	7 1/2	8 15/16	8 15/16	9 5/8	10 7/16	11 1/4
Weight, about oz.	1/2	1 3/8	2 13/16	4 5/16	7 1/16	7 1/16	9 1/2	12	14 1/2
Price									

Inch series (for U.S.S. & S.A.E. bolts):

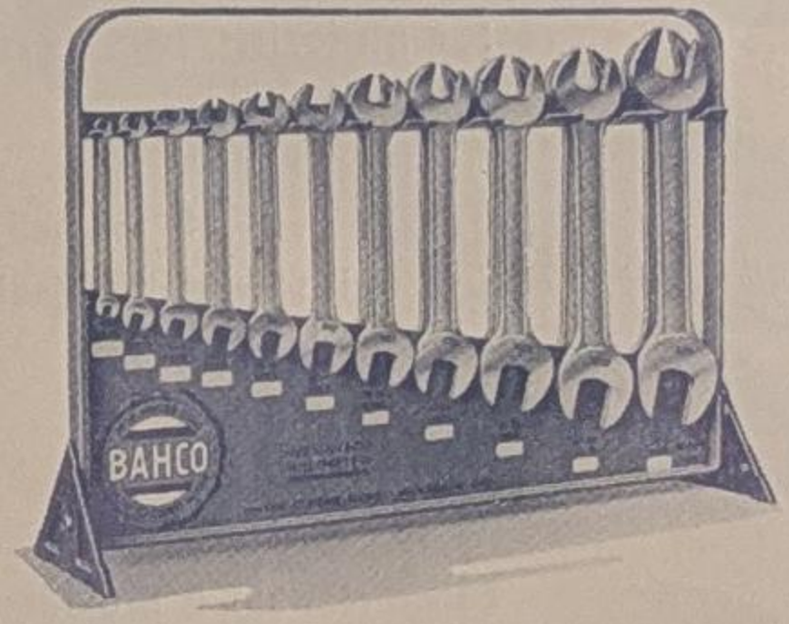
Number	2080	2081	2081 A	2082	2083	2083 A	2084 A
Span ..... inch.	1/4×9/32	5/16×3/8	5/16×13/32	3/8×7/16	7/16×1/2	1/2×9/16	1/2×19/32
U. S. S. sizes ..... "	—	1/8	1/8×3/16	—	1/4	1/4	1/4×5/16
S. A. E. sizes ..... "	—	—	—	1/4	1/4×5/16	5/16×3/8	5/16
Thickness ..... "	1/8	9/64	9/64	5/32	11/64	11/64	13/64
Length ..... "	4 15/16	5 3/8	5 3/8	5 29/32	6 3/8	6 3/8	6 7/8
Weight, about ..... oz.	1/2	7/8	7/8	1 3/8	2	2	2 13/16
Price							

Number	2084	2085	2085 A	2086	2086 A	2087	2087 A
Span ..... inch.	9/16×5/8	9/16×11/16	5/8×3/4	11/16×3/4	11/16×25/32	13/16×7/8	3/4×7/8
U. S. S. sizes ..... "	—	3/8	—	3/8	3/8×7/16	1/2	1/2
S. A. E. sizes ..... "	3/8×7/16	3/8	7/16×1/2	1/2	—	9/16	1/2×9/16
Thickness ..... "	13/64	7/32	7/32	15/64	15/64	1/4	1/4
Length ..... "	6 7/8	7 1/2	7 1/2	8 3/16	8 3/16	8 15/16	8 15/16
Weight, about ..... oz.	2 13/16	4	4	5 3/8	5 3/8	7	7
Price							

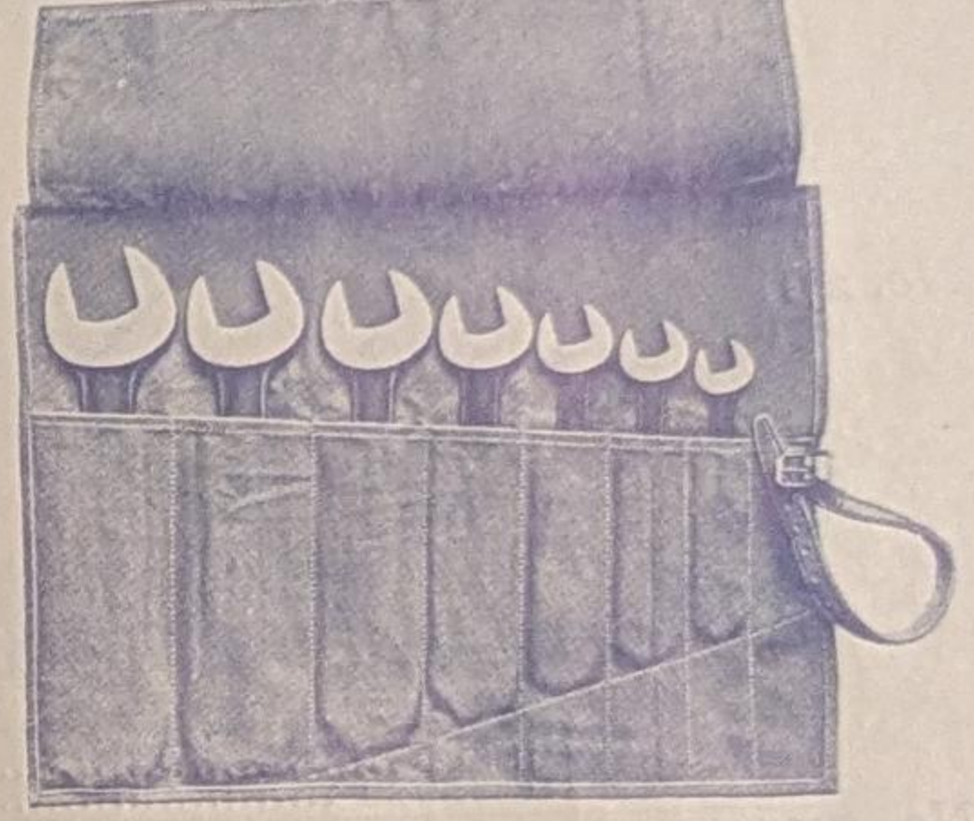
Number	2088 A	2088 B	2088	2088 C	2089	2090 A	2090
Span ..... inch.	7/8×31/32	7/8×1	15/16×1	15/16×1 1/16	1 1/16×1 1/8	1 1/16×1 1/4	1 3/16×1 1/4
U. S. S. sizes ..... "	1/2×9/16	1/2	—	5/8	5/8	5/8×3/4	3/4
S. A. E. sizes ..... "	9/16	9/16×11/16	5/8×11/16	5/8×3/4	3/4	3/4×7/8	7/8
Thickness ..... "	1/4	1/4	1/4	1/4	17/64	9/32	9/32
Length ..... "	9 5/8	9 5/8	9 5/8	9 5/8	10 7/16	11 1/4	11 1/4
Weight, about ..... oz.	9 1/2	9 1/2	9 1/2	9 1/2	12	14 1/2	14 1/2
Price							

BAHCO

Chrome-nickel-vanadium Spanners in Sets



Display stand No. 1026 for chrome-nickel-vanadium spanners. Free to purchasers of two complete series of spanners.



Set of spanners in Canvas Roll.

Set No. / Code-word	2004/5 Vilbs	2010/6 Vilck	2008/7 Vildd	2010/11 Vilex	2070/6 Vilig	2090A/5 Viljo
For nuts	mm.	mm.	mm.	mm.	Whitw.	U. S. S.
Number of spanners	5	6	7	11	6	5
Length of roll ... inch.	8	$12^3/_8$	$10^3/_4$	$12^3/_8$	$12^3/_8$	$12^3/_8$
Weight with spanners about ... lbs.	$^1/_2$	$3^1/_2$	$2^1/_8$	4	$2^3/_8$	$2^1/_4$
Price						

Set No. / Code-word	2090A/5 Vilkz	2088C/7 Villu	2086/5 Vilmn	2090/4 Vilpp	2088/7 Vilqy	2090/9 Vilrw
For nuts	S. A. E.	S. A. E.	inch	inch	inch	inch
Number of spanners	5	7	5	4	7	9
Length of roll ... inch.	$12^3/_8$	$10^3/_4$	$9^3/_8$	$12^3/_8$	11	$12^3/_8$
Weight with spanners about ... lbs.	$2^3/_8$	$2^1/_2$	$^7/_8$	$2^7/_8$	$1^7/_8$	$3^3/_4$
Price						

Set number	Specification		
2004/5	Span	mm.	6×7 8×9 10×11 12×13 14×15
2010/6	"	"	16×17 18×19 20×22 24×26 25×28 30×32
2008/7	"	"	10×11 12×13 14×15 16×17 18×19 20×22 24×26
2010/11	"	"	6×7 8×9 10×11 12×13 14×15 16×17 18×19 20×22 24×26 25×28 30×32
2070/6	Whitw.	inch	$^1/_{16}\times{}^3/_{32}$, $^1/_8\times{}^3/_{16}$, $^1/_4\times{}^5/_{16}$, $^3/_8\times{}^7/_{16}$, $^1/_2\times{}^9/_{16}$, $^5/_8\times{}^3/_4$,
2090A/5	U. S. S.	"	$^1/_8\times{}^3/_{16}$, $^1/_4\times{}^5/_{16}$, $^3/_8\times{}^7/_{16}$, $^1/_2\times{}^9/_{16}$, $^5/_8\times{}^3/_4$,
2090A/5	S. A. E.	"	$^1/_4\times{}^5/_{16}$, $^3/_8\times{}^7/_{16}$, $^1/_2\times{}^9/_{16}$, $^5/_8\times{}^{11}/_{16}$, $^3/_4\times{}^7/_8$,
2088C/7	S. A. E.	"	$^1/_4\times{}^5/_{16}$, $^5/_{16}\times{}^3/_8$, $^3/_8\times{}^7/_{16}$, $^7/_{16}\times{}^1/_2$, $^1/_2\times{}^9/_{16}$, $^5/_8\times{}^{11}/_{16}$, $^5/_8\times{}^3/_4$,
2086/5	Span	"	$^1/_4\times{}^9/_{32}$, $^5/_{16}\times{}^3/_8$, $^7/_{16}\times{}^1/_2$, $^9/_{16}\times{}^5/_8$, $^{11}/_{16}\times{}^3/_4$,
2090/4	"	"	$^{13}/_{16}\times{}^7/_8$, $^{15}/_{16}\times 1$, $1^1/_{16}\times 1^1/_8$, $1^3/_{16}\times 1^1/_4$,
2088/7	"	"	$^1/_4\times{}^9/_{32}$, $^5/_{16}\times{}^3/_8$, $^7/_{16}\times{}^1/_2$, $^9/_{16}\times{}^5/_8$, $^{11}/_{16}\times{}^3/_4$, $^{13}/_{16}\times{}^7/_8$, $^{15}/_{16}\times 1$,
2090/9	"	"	$^1/_4\times{}^9/_{32}$, $^5/_{16}\times{}^3/_8$, $^7/_{16}\times{}^1/_2$, $^9/_{16}\times{}^5/_8$, $^{11}/_{16}\times{}^3/_4$, $^{13}/_{16}\times{}^7/_8$, $^{15}/_{16}\times 1$, $1^1/_{16}\times 1^1/_8$, $1^3/_{16}\times 1^1/_4$

BAHCO

Combination Slip-joint Pliers

No. 231.

No. 241.

Number	231	241
Code-word	Vecid	Vigjd
Length ..... inch.	7	8
Capacity up to ..... "	3/4	1 3/16
Weight, about ..... lbs	1/2	5/8
Price		

for motorists, repairers, machinists, etc.

Drop-forged of specially selected Swedish steel. Hardened.

Bahco No. 231 is provided with screwdriver end and wire cutter. Adjustable slip-joint to two jaw sizes. Bahco No. 241 is provided with wire cutter device and can be adjusted to four jaw sizes.

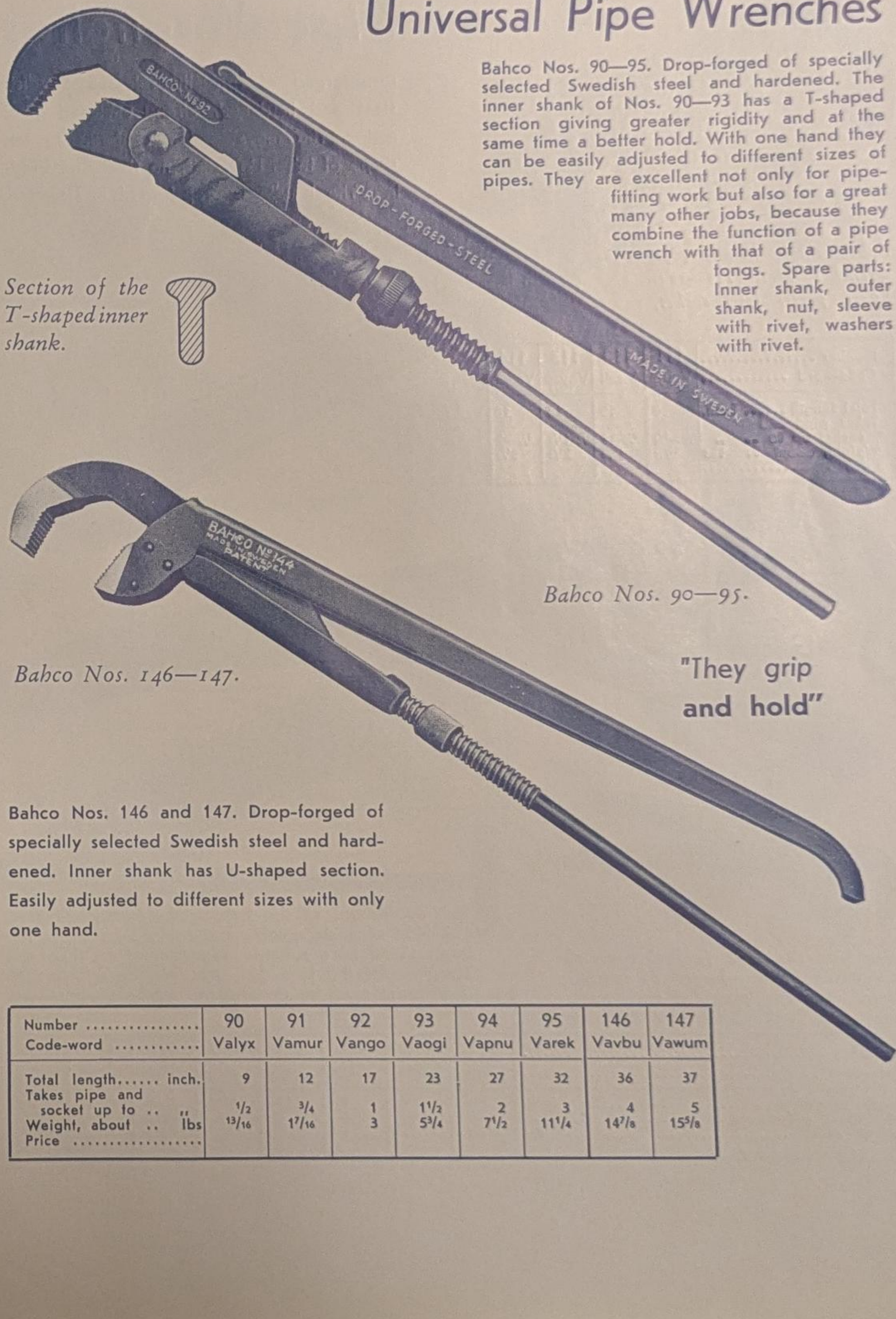
Smith's Tongs

Drop-forged of specially selected Swedish steel and hardened. The ingenious shape of the jaws makes it possible to hold pieces of almost any shape.

Number	1	2	3
Code-word	Vecju	Vecky	Vecmo
Takes round and square iron inch.	1/8—5/8	1/4—3/4	3/8—1
Takes flat iron ..... "	up to 1/4	1/8—3/8	1/4—5/8
Length ..... "	17 3/4	19 3/4	21 5/8
Thickness of shank ..... "	3/8	13/32	7/16
Weight, about ..... lbs	1 1/2	2	3
Price			

BAHCO

Universal Pipe Wrenches



Bahco Nos. 90—95. Drop-forged of specially selected Swedish steel and hardened. The inner shank of Nos. 90—93 has a T-shaped section giving greater rigidity and at the same time a better hold. With one hand they can be easily adjusted to different sizes of pipes. They are excellent not only for pipe-fitting work but also for a great many other jobs, because they combine the function of a pipe wrench with that of a pair of tongs. Spare parts: Inner shank, outer shank, nut, sleeve with rivet, washers with rivet.

Section of the T-shaped inner shank.

Bahco Nos. 90—95.

Bahco Nos. 146—147.

"They grip **and hold"**

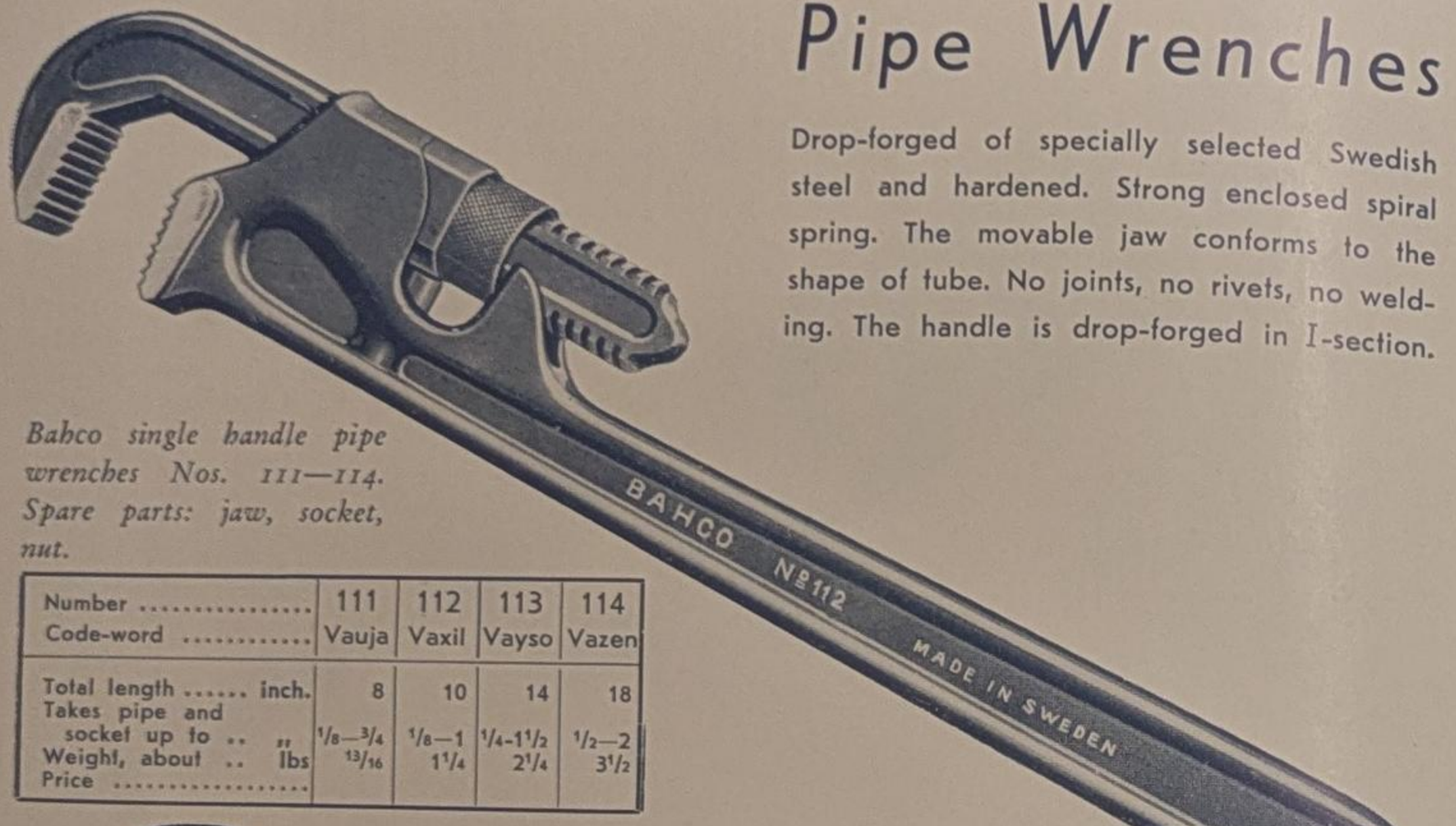
Bahco Nos. 146 and 147. Drop-forged of specially selected Swedish steel and hardened. Inner shank has U-shaped section. Easily adjusted to different sizes with only one hand.

Number	90	91	92	93	94	95	146	147
Code-word	Valyx	Vamur	Vango	Vaogi	Vapnu	Varek	Vavbu	Vawum
Total length..... inch.	9	12	17	23	27	32	36	37
Takes pipe and socket up to .. "	1/2	3/4	1	1 1/2	2	3	4	5
Weight, about .. lbs	13/16	1 7/16	3	5 3/4	7 1/2	11 1/4	14 7/8	15 5/8
Price								

BAHCO

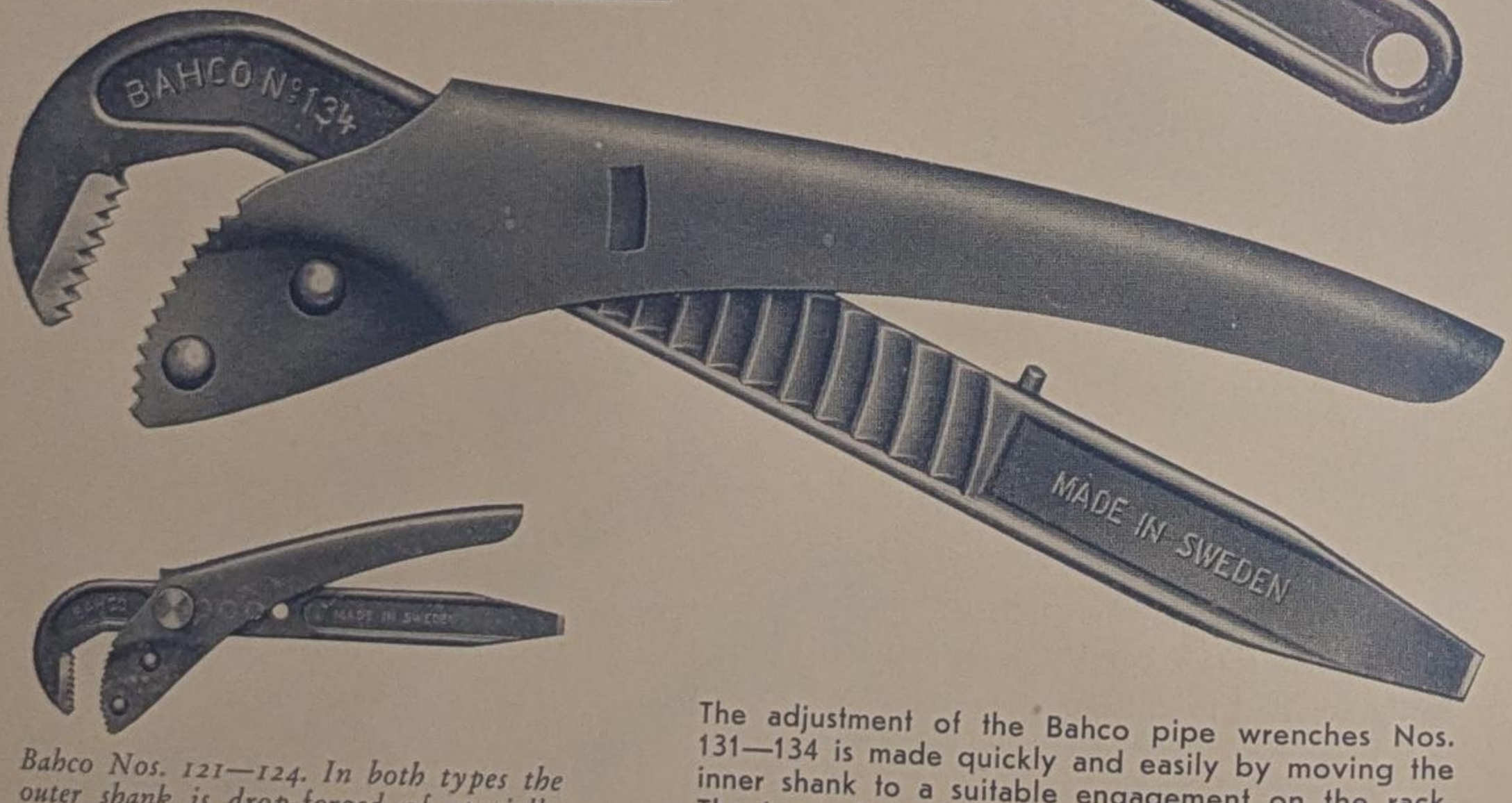
Pipe Wrenches

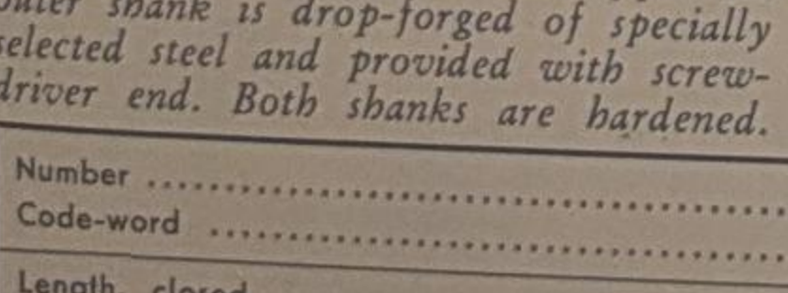
Drop-forged of specially selected Swedish steel and hardened. Strong enclosed spiral spring. The movable jaw conforms to the shape of tube. No joints, no rivets, no welding. The handle is drop-forged in I-section.



Bahco single handle pipe wrenches Nos. 111—114. Spare parts: jaw, socket, nut.

Number	111	112	113	114
Code-word	Vauja	Vaxil	Vayso	Vazen
Total length ..... inch.	8	10	14	18
Takes pipe and socket up to .. "	1/8—3/4	1/8—1	1/4-1 1/2	1/2—2
Weight, about .. lbs	13/16	1 1/4	2 1/4	3 1/2
Price				





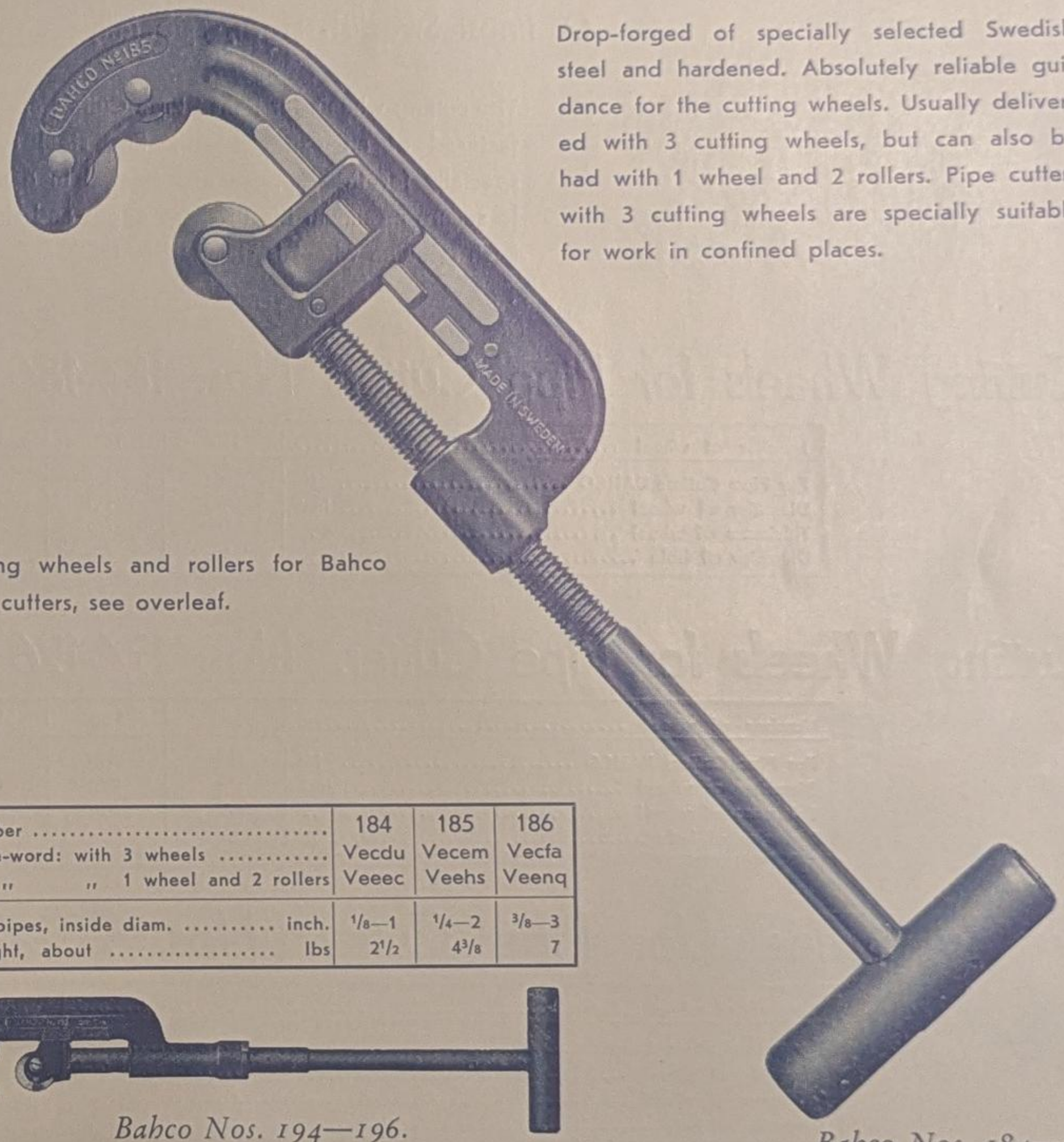
Bahco Nos. 121—124. In both types the outer shank is drop-forged of specially selected steel and provided with screwdriver end. Both shanks are hardened.

The adjustment of the Bahco pipe wrenches Nos. 131—134 is made quickly and easily by moving the inner shank to a suitable engagement on the rack. The jaws of the Nos. 121—124 can be adjusted to 5 different sizes by moving the set screw from one hole to the other.

Number	121	122	123	124	131	132	133	134
Code-word	Vesfy	Vesht	Vesju	Vespo	Vakbo	Vakda	Vakib	Vakyz
Length, closed ..... inch.	5 7/8	7 1/16	9	12	5 7/8	7 1/16	9	12
Takes round objects up to ..... "	1 5/16	1 1/2	2	3	1 1/4	1 1/2	2 1/2	3
Weight, about ..... lbs	3/8	5/8	1	2	5/16	1/2	15/16	1 13/16
Price								

BAHCO

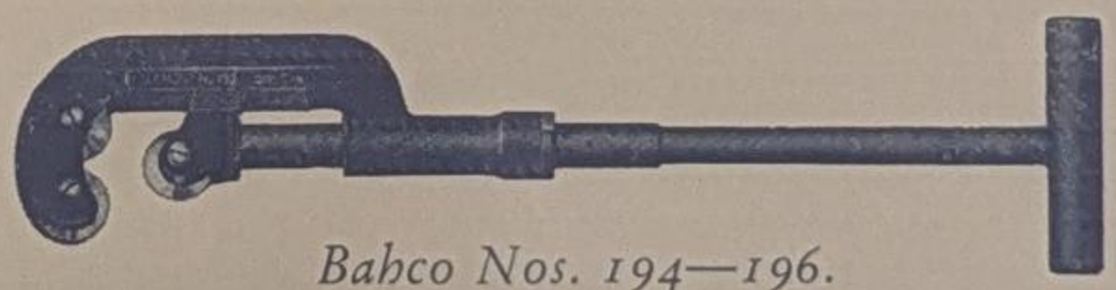
Pipe Cutters



Drop-forged of specially selected Swedish steel and hardened. Absolutely reliable guidance for the cutting wheels. Usually delivered with 3 cutting wheels, but can also be had with 1 wheel and 2 rollers. Pipe cutters with 3 cutting wheels are specially suitable for work in confined places.

Cutting wheels and rollers for Bahco pipe cutters, see overleaf.

Number	184	185	186
Code-word: with 3 wheels	Vecdu	Vecem	Vecfa
" " 1 wheel and 2 rollers	Veeec	Veehs	Veenq
For pipes, inside diam. inch.	1/8—1	1/4—2	3/8—3
Weight, about lbs	2 1/2	4 3/8	7



Bahco Nos. 194—196.

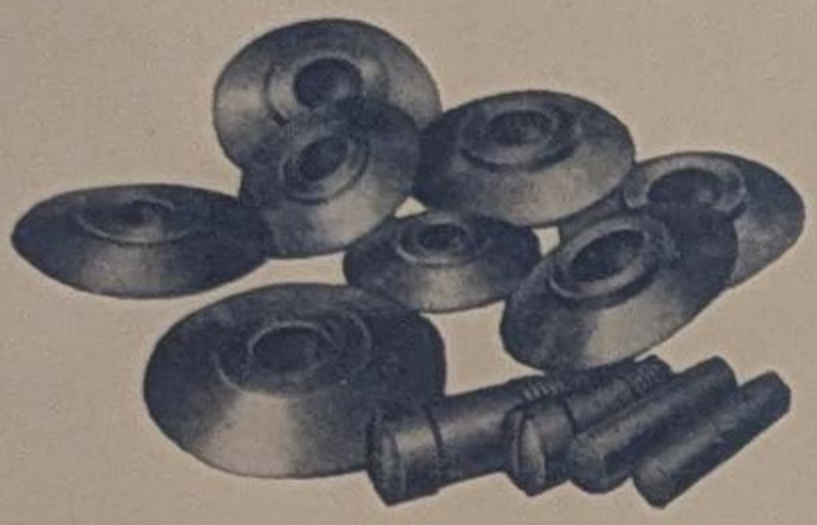
Bahco Nos. 194—196. Also entirely drop-forged of specially selected Swedish steel. Completely enclosed screw.

Number	194	195	196
Code-word: with 3 wheels	Vetri	Vetsu	Vette
" " 1 wheel and 2 rollers	Vesyl	Vetor	Vetpa
For pipes, inside diam. inch.	1/8—1	1/4—2	3/8—3
Weight, about lbs	3 5/16	6	8 5/8

Bahco Nos. 184—186.

BAHCO

Spare Parts for Bahco Pipe Cutters



Of finest Swedish steel, specially selected.

The cutting wheels for Bahco Pipe Cutters are manufactured of an extraordinarily fine steel selected specially for the purpose and treated in a manner to secure maximum life of sharp edges and strength. Each genuine wheel is stamped BAHCO.

Cutting Wheels for Pipe Cutters Nos. 184-186

Number of wheel		187	188	189
For Pipe Cutters BAHCO	No.	184	185	186
Diameter of wheel	inch.	1	1 1/4	1 7/16
Thickness of wheel	"	1/4	5/16	3/8
Diameter of hole	"	9/32	5/16	23/64

Cutting Wheels for Pipe Cutters Nos. 194-196

Number of wheel		197	198	199
For Pipe Cutters BAHCO	No.	194	195	196
Diameter of wheel	inch.	1 1/8	1 5/16	1 7/16
Thickness of wheel	"	5/16	25/64	7/16
Diameter of hole	"	5/16	25/64	29/64

Cutting Wheels for Pipe Cutters Nos. 202-206

Number of wheel		209
For pipe Cutters Bahco	Nos.	202—206
Diameter of wheel	inch.	1 5/8
Thickness of wheel	"	5/16
Diameter of hole	"	3/8

Rollers for Pipe Cutters Nos. 184-186 and 194-196

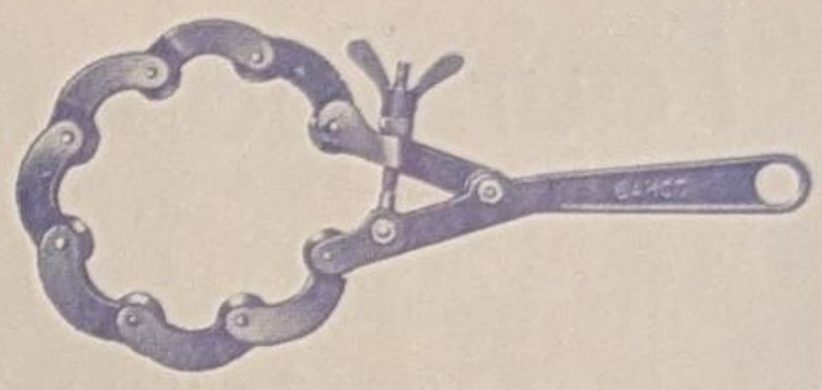
For Pipe Cutters BAHCO	No.	184	185	186	194	195	196
Diameter of roller	inch.	15/16	1 1/8	1 5/16	1	1 3/16	1 5/16
Thickness of roller	"	1/4	5/16	3/8	5/16	25/64	7/16
Diameter of hole	"	9/32	5/16	23/64	5/16	25/64	29/64

BAHCO

Pipe Cutters for Cast Iron Main Pipes

Number ..... / Code-word	202 Vefen	203 Vefgi	204 Veflu	206 Vefmy
For pipes ..... inch.	2—4	2—5	2—6	2—8
Number of wheels	6	7	8	10
Weight, about ..... lbs	11 5/8	12 3/4	14	16
Price				

Spare parts, see page 18.



Pipe Vices

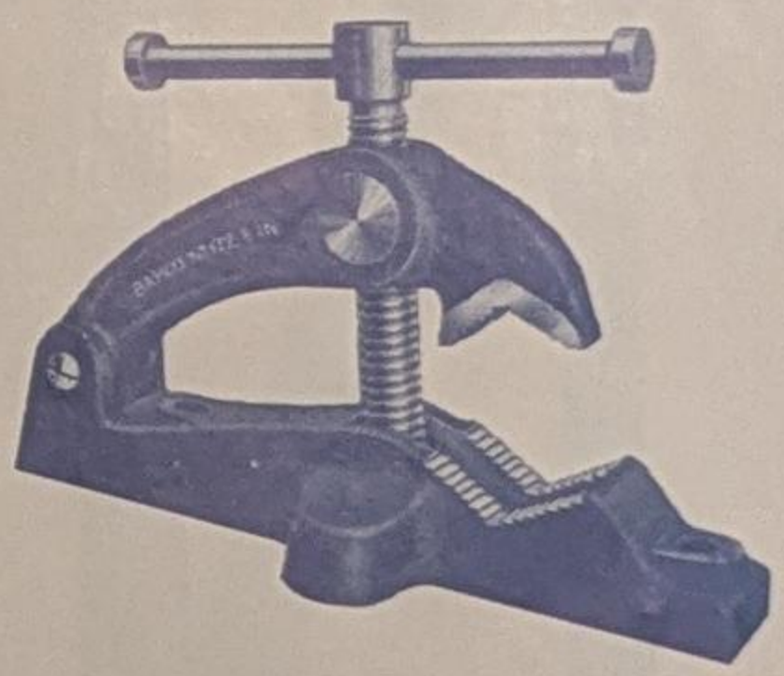
Bahco Nos. 152—154 are strong and well designed pipe vices. Heavy cast-iron body, with movable jaw of drop-forged steel. Teeth milled and hardened. The jaw has extended guide and, consequently, is rigid even when the gap is adjusted for small diameter pipes. The screw is also of steel.

Pipe vice No. 172 is entirely drop-forged of specially selected steel. Light and strong. Takes minimum space in the tool kit. Teeth milled and hardened.

Drop-forged of steel.

Nos. 152—154.

Number ..... / Code-word	152 Vegbu	153 Veger	154 Vegil	172 Vegax
For pipes ..... inch.	1/4—2	1/4—3	1/4—4	—
For pipe and socket ,,	—	—	—	1/8—2
Weight, about ..... lbs	18 3/4	35 1/4	54	7 1/2
Price				

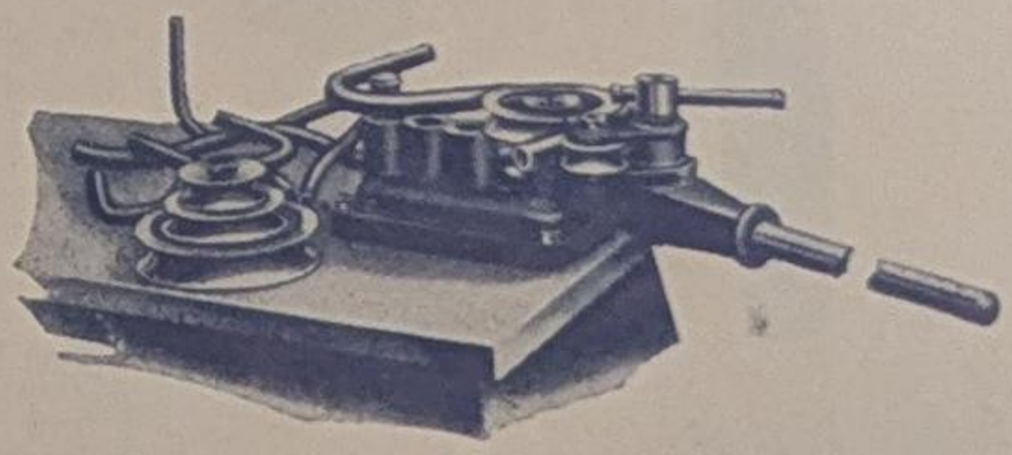


No. 172.

Pipe Bending Machine

Will bend iron pipes with up to 1 inch internal diameter and rod iron up to a diameter of 1 inch.

Number ..... / Code-word	220 Vehaz
Bends pipes with an internal diameter up to ..... inch.	1
Bends rod iron of diameter up to ..... ,,	1
Weight of machine (with rollers), about.. lbs	86
Price	



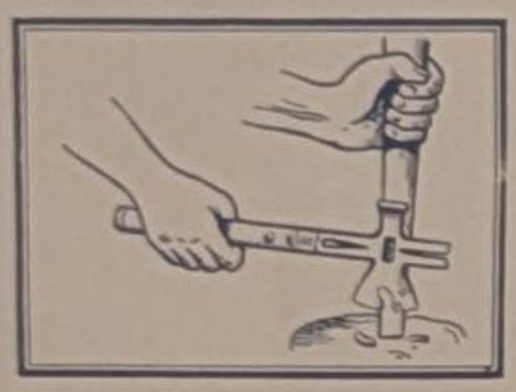
Dimensions of rollers:

Diam. in the groove.. inch.	2 3/4	4 1/8	5 1/8	6 7/16
For pipes with an internal diam. of .... ,,	1/8—1/2	1/4—1/2	1/4—3/4	1/4—1

BAHCO

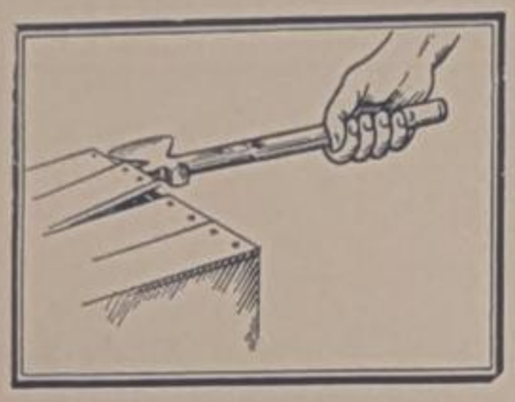
"Four Tools in One"

Hatchet, hammer, case opener, and nail puller combined

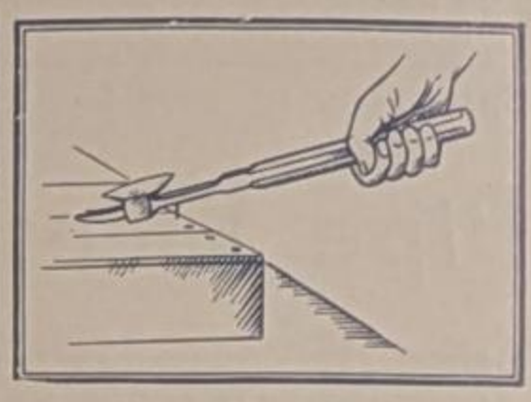


Hatchet.

Hammer.

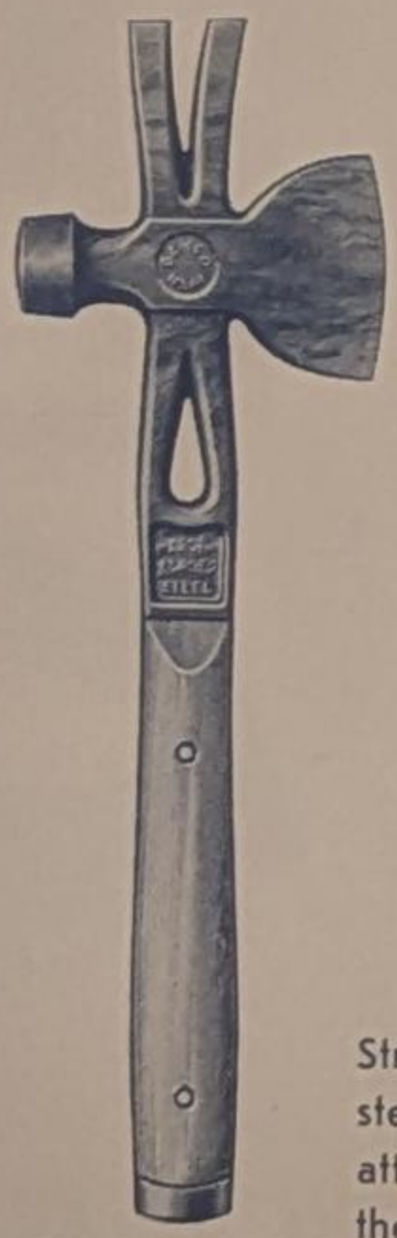


Case opener.

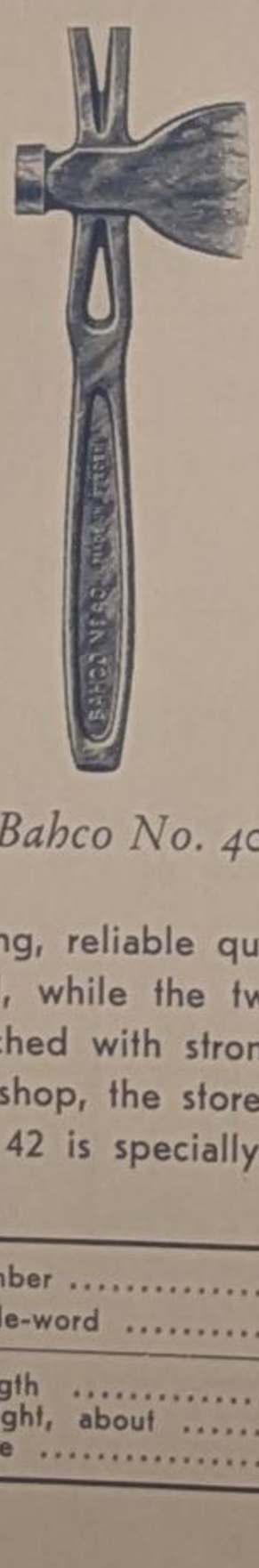


Nail puller.

Bahco No. 42.



Bahco No. 41



Bahco No. 40.

Drop-forged of specially selected Swedish steel. Nos. 40 and 41 are mottled, No. 42 is hardened.

Strong, reliable quality tools. Bahco No. 40 is entirely of steel, while the two larger sizes have hardwood handle attached with strong rivets. Excellent tools for the home, the shop, the store room, the garage, the farmhouse, etc. No. 42 is specially suited for heavy work in warehouses, etc.

Number	40	41	42
Code-word	Vyxos	Vyxmi	Vyxit
Length ..... inch.	$9^{1}/_{16}$	$12^{5}/_{8}$	$20^{7}/_{8}$
Weight, about ..... lbs	$^{3}/_{4}$	$1^{3}/_{8}$	$4^{3}/_{16}$
Price			

BAHCO

Nail Puller

Bahco enables quick opening of a packing case without breaking the lid and without bending the nails.

Drive in the jaws of the nail puller with one or two blows with the movable handle (left ill.) and then pull the tool towards you (right ill.) When the nail comes out it is straight and ready to be used again.

Number	38
Code-word	Vyxxy
Length (closed) ..... inch.	17¾
Weight, about ..... lbs	5
Price	

The handle ram of the nail puller is of strong cast-iron. Both jaws are drop-forged of specially selected steel and hardened.

Bahco No. 38.

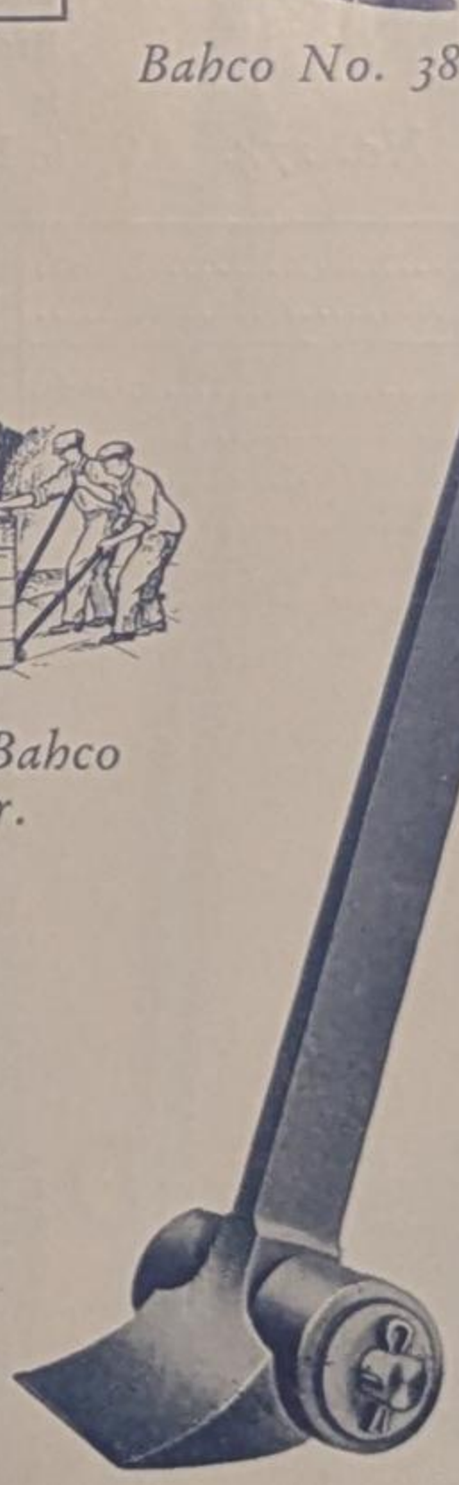
Roller Crow Bar

Once — with rollers and ordinary crow-bars.

Now — with Bahco roller crow-bar.

Bahco Roller Crow Bar is entirely forged of the best Swedish steel. The strong claw will stand the heaviest strains, the long handle provides a tremendous leverage and the broad rollers put wheels under any load. Indispensable in store-rooms, warehouses, goods-yards, factories, etc.

Number	298
Code-word	Vecyr
Length ..... inch.	63
Lifting capacity ..... tons	3
Weight, about ..... lbs	28¾
Price	



Bahco No. 298.

BAHCO

Clamps

Bahco Nos. 258—264.

No. 274.

Clamp and screw drop-forged of specially selected Swedish steel. Nos. 258—264 have the screw provided with ball and socket swivel; these clamps will hold also pieces with irregular sides. No. 274 has extra heavy dimensions and is intended for rough work. Both types are drop-forged in I-section, thus both light and strong.

Number	258	259	260	261	262	263	264	274
Code-word	Vifym	Viggo	Vight	Veuss	Veuux	Veuwo	Veuxi	Vimot
Size ..... inch.	1	2	3	4	5	6	8	4
Maximum opening ..... "	1 3/32	2 5/64	3 1/16	4 1/8	5 1/8	6 3/32	8 7/64	4 11/64
Depth of gap ..... "	1	1 1/2	2	2 3/8	2 3/4	3	3 3/8	3 1/4
Weight, about ..... lbs	3/8	13/16	1 1/4	2 3/16	3	3 7/8	6 1/8	6 1/3
Price								

Display Stand

The stand No. 1024 for Bahco Clamps. Contains 1 each of the series Nos. 258—264.

BAHCO

Screwdrivers

The blades of Bahco screwdrivers are drop-forged of the very best Swedish steel and hardened. Nos. 280—284 have insulated handles of hard rubber, the two other series have handles of light metal. Nos. 245—248 have **square-section** blade, drop-forged of chrome-nickel-vanadium steel.

With square-section blade and light metal handle:

Number	245	246	247	248
Code-word	Vipvh	Vipws	Vipxv	Vipyg
Total length.. inch.	6 5/8	8 1/4	10	13 3/4
Length of blade „	2 3/4	4	5 1/8	7 7/8
Weight, about lbs	3/16	11/32	15/32	1
Price				

With round blade and rubber handle:

Number	280	281	282	283	284
Code-word	Vipun	Vijwz	Vijxd	Vijyk	Vijzq
Total length.. inch.	5	7 7/8	8 7/8	10 1/8	12 3/4
Length of blade „	3	4	5	5 7/8	7 7/8
Weight, about lbs	1/16	5/32	3/16	5/16	1/2
Price					

With round blade and light metal handle:

Number	291	292	293	294
Code-word	Vigtr	Vikci	Vigoj	Vikdt
Total length.. inch.	7 7/8	8 7/8	10 1/8	12 3/4
Length of blade „	4	4 7/8	5 3/4	7 7/8
Weight, about lbs	5/32	3/16	1/4	7/16
Price				

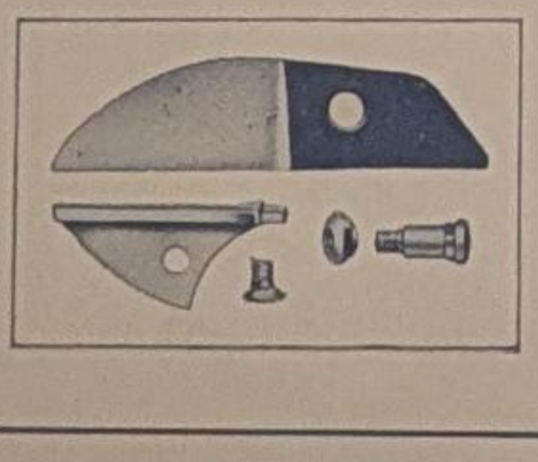
Display stand No. 1027 for Bahco screwdrivers, see below.

BAHCO

Pruning Shears

Bahco Pruning Shears Nos. 530 have **one** blade only, which cuts against an anvil of aluminium alloy. The blade is not exposed to any lateral stresses (as is the case in the old scissor-like models of shears) and is therefore thinner than usually, almost like the blade of a knife, and as it also has the slicing action of a knife (on account of the eccentric joining of the shanks), Bahco pruning shears will cut also thick branches with astonishing ease. The blade as well as the anvil are **exchangeable.** The pruner is delivered in mottled or chromed finish.

Excellent not only for pruning but also for various jobs in the household, in the motor-boat or yacht and, in general, wherever there is need for a cutting tool stronger than a pair of scissors or a knife.



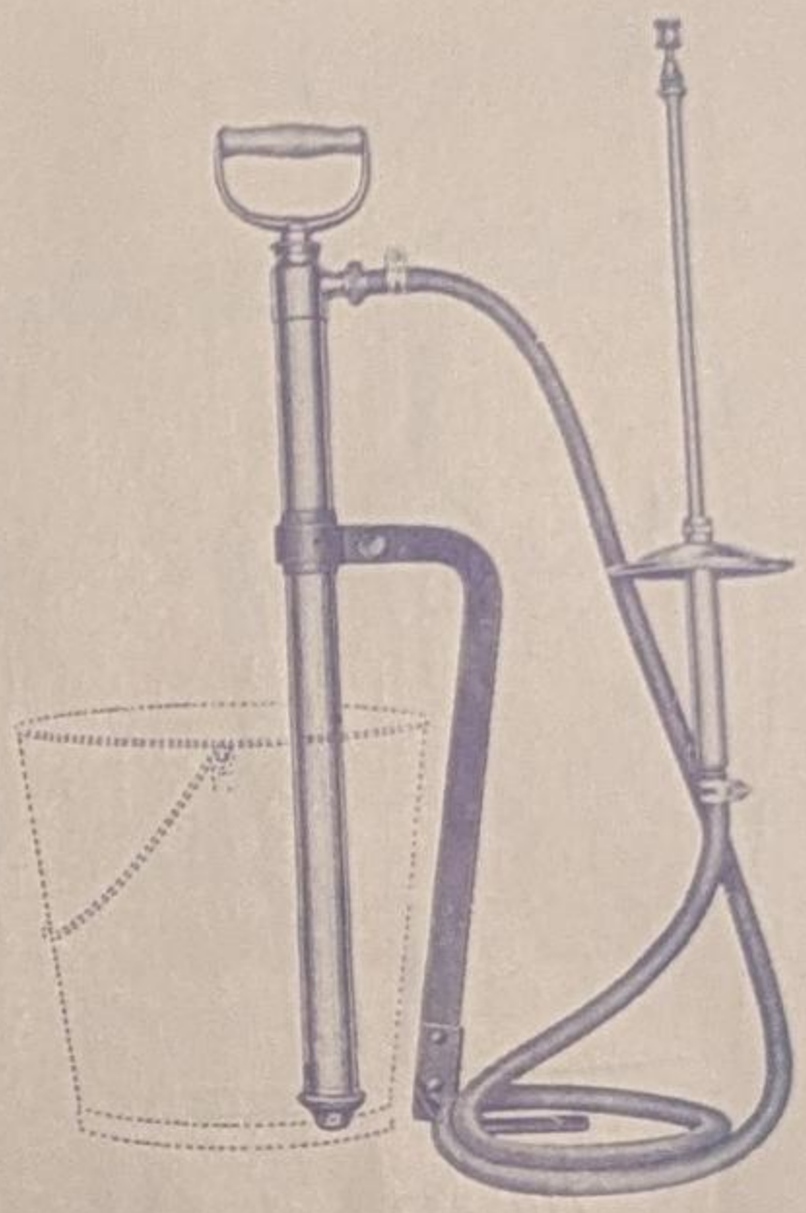
Spare parts for Bahco Pruner No. 530.

Attractive display box, containing 6 Bahco pruners No. 530, mottled or chromed. A piece of cane for testing is delivered in each box. — The pruners can also be had individually packed (for individual delivery to customers and for refilling of the display box).

Number		530
Code-word: mottled		Vipcj
" chromed		Vindl
Length	inch.	7 7/8
Cuts up to diameter	"	1 1/8
Weight, about	lbs	11/16
Weight of complete 1/2 doz. box	"	4 1/2
Dimensions of display box, closed	inch.	9 1/2x8 1/4x2 1/2

BAHCO

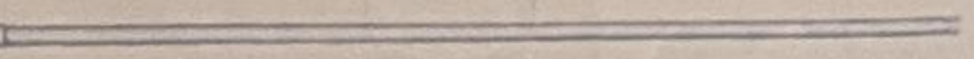
Primus Bucket Sprayer



Double-acting emulsion sprayer for spraying fruit-trees, bushes, flowers, etc. The nozzle No. 7021 gives a continuous, mist-like spray, suitable for insecticides or desinfectants. The nozzle is provided with built-in cleaning needle.
With the nozzle No. 7018 (called the "Bordeaux nozzle") an adjustable spray is obtained which is suitable for application of whitewash, desinfectants, etc. as well as for washing cars, vessels, etc.

The pump and the spraying tube are made entirely of brass. The foot-rest, which is of wrought iron and japanned, is attached to the pump cylinder by means of a screw-clamp. The sprayer is delivered with spraying tube, nozzle with sprayer No. 7021, screw attachment for rubber hose and with or without 5 feet of rubber hose. For spraying trees extension pipes No. 7019 are recommended, two or more of which can be coupled to each other up to any suitable length.

Number ..... PRIMUS Code-word	2511 Without hose Pyrig	2512 With hose Pygar
Length of pump ..... inch.	26	26
Weight, about ..... lbs	4 7/8	5 2/3
Price		



No. 7019.

No. 7018 Bordeaux nozzle.

No. 7021 Sprayer nozzle with cleaning needle.

No. 7020 Bended spraying pipe, without nozzle.

Spare Parts:

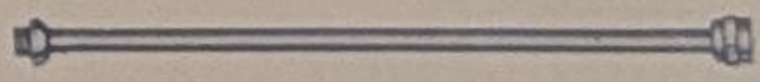
Name of part (PRIMUS)	No.
Hose connection	7013
Hose band, with screw and nut	7014
Spraying pipe, without nozzle, 12 inches long ..	7015
Nozzle, without sprayer	7016
Sprayer for nozzle No. 7016	7017
Bordeaux nozzle	7018
Extension pipe	7019
Bended spraying pipe, without nozzle	7020
Sprayer nozzle with built-in cleaning needle	7021

No. 7013.

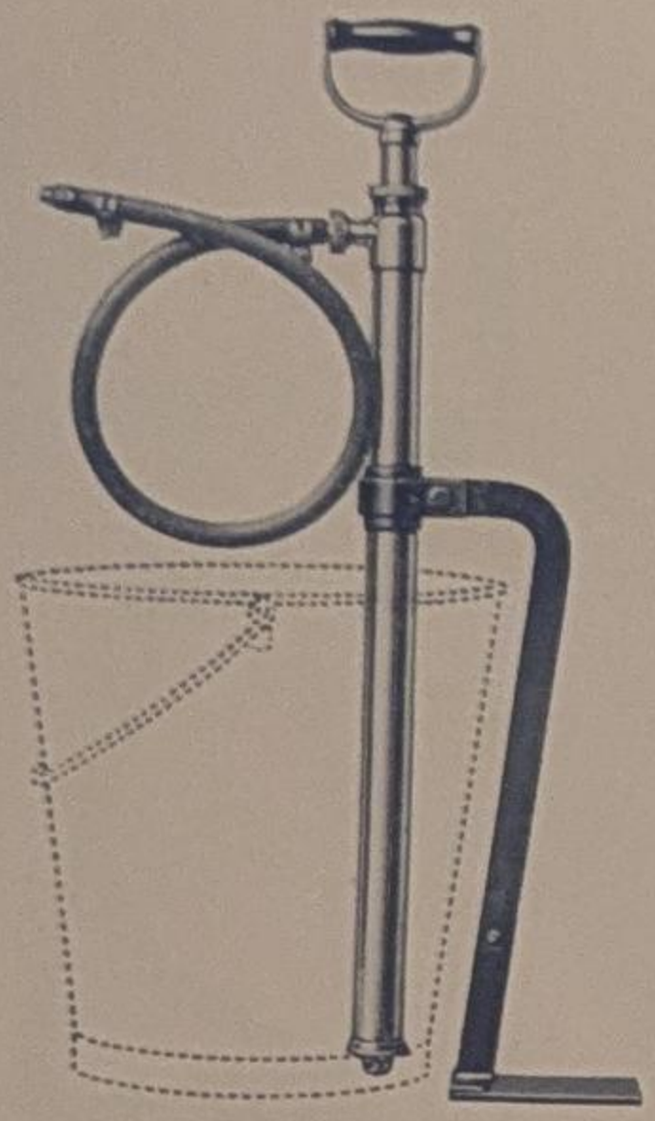
No. 7014.

No. 7016.

No. 7017.



No. 7015.

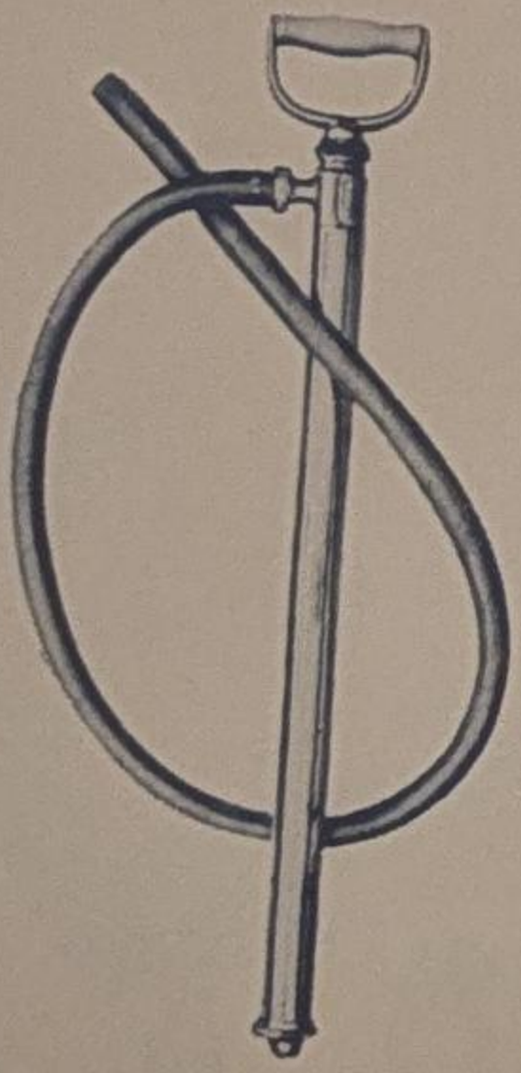


No. 2509.

Primus Fire Extinguisher

Double-acting. Effective. Pump entirely of brass with polished cylinder provided with a strong union No. 7013 for the hose. Foot-rest of wrought iron, black-japanned, fixed to cylinder by means of a strong screw-clamp.

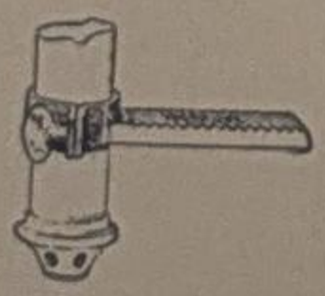
Number ..... PRIMUS		2509
Code-word		Pnbak
Length of pump	inch.	26
Quantity of water per min.	pints	26
Length of jet	feet	39—43
Jet reaches a height of	,,	27—30
Weight, about	lbs	4 7/8
Price		



Primus Bilge Pump

Double-acting. Quick in operation. Easily taken to pieces. Entirely of brass.

The pump is delivered with or without hose. The hose can be detached by means of union No. 7003. Length of hose 3 or 4 feet. A bottom strainer prevents dirt from being sucked up with the water. The pump can be delivered with a foot-rest of brass (supplied separately).

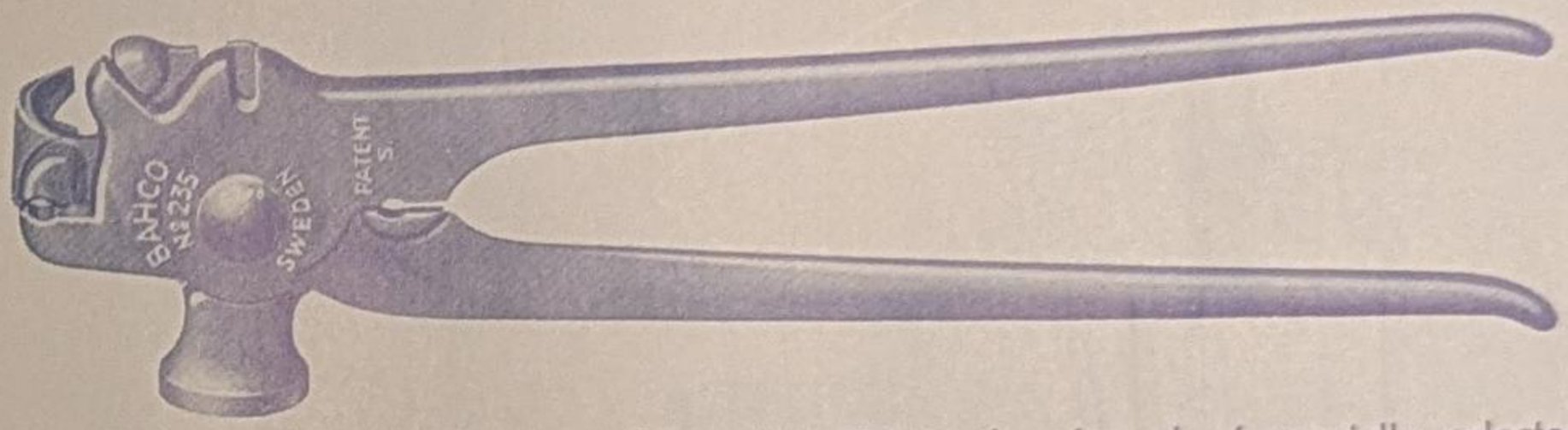


Foot-rest
No. 7004.

Number		2500	2501	2502	7004
Description		Without hose	With 3 feet hose	With 4 feet hose	Foot-rest
Code-word		Pumut	Puone	Pumpy	Pujaz
Length of pump	inch.	26	26	26	—
Quantity of water per min...	pints	53	53	53	—
Weight, about	lbs	2 1/2	3 1/8	2 1/4	1/2
Price					

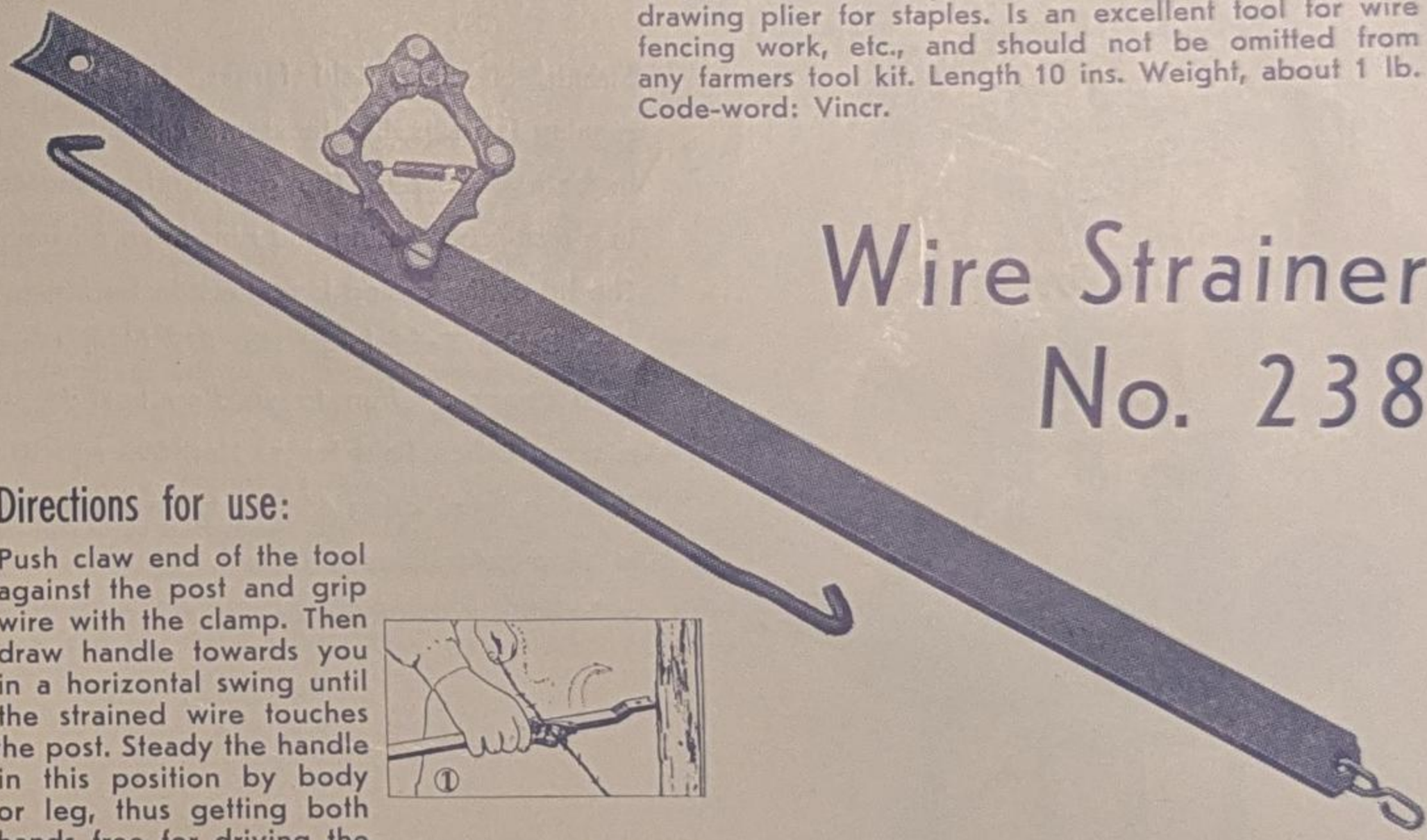
BAHCO

PATENTED Wire Fence Plier



Bahco No. 235 is drop-forged of specially selected Swedish steel. It is a combination of hammer, nail-puller, wire-cutter, wire-clamp, flat-plier and more especially a drawing plier for staples. Is an excellent tool for wire fencing work, etc., and should not be omitted from any farmers tool kit. Length 10 ins. Weight, about 1 lb. Code-word: Vincr.

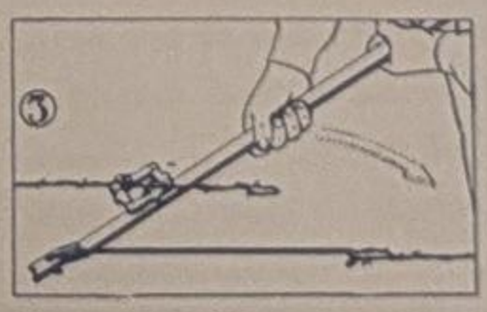
Wire Strainer No. 238



Directions for use:

Push claw end of the tool against the post and grip wire with the clamp. Then draw handle towards you in a horizontal swing until the strained wire touches the post. Steady the handle in this position by body or leg, thus getting both hands free for driving the staple home (with Bahco No. 235).

For joining of broken wires: Make loops on both wire-ends, hold one loop with the joiner hook and grip the other with the clamp, then stretch until the loops cover each other. Fasten the strainer with the hook so that you get both hands free to join the two loops with an extra piece of wire.



Bahco Wire Strainer consists of a flat lever of steel, to which a strong wire-clamp of drop-forged and hardened parts is attached. With this tool the wire will be strained much better, easier and quicker than with any other help. Length 30 1/2 ins. Weight, about 4 1/8 lbs. Code-word: Viozu.

BAHCO

Field Forges

No. 873.

PATENTED

Strong, effective field forges. The smooth-running fan supplies the same amount of air in both directions. The gearing is enclosed in a dust-proof casing and runs in an oil bath. The lid of the casing is removable for inspection. Bahco field forge No. 873 (with three legs) brings 3″ iron to welding heat in 10 minutes. Bahco field forges Nos. 880 and 882 (four-leg type) bring 4″ iron to welding heat in 12 minutes. Nos. 880 and 882 are easily collapsible without the use of any tool.

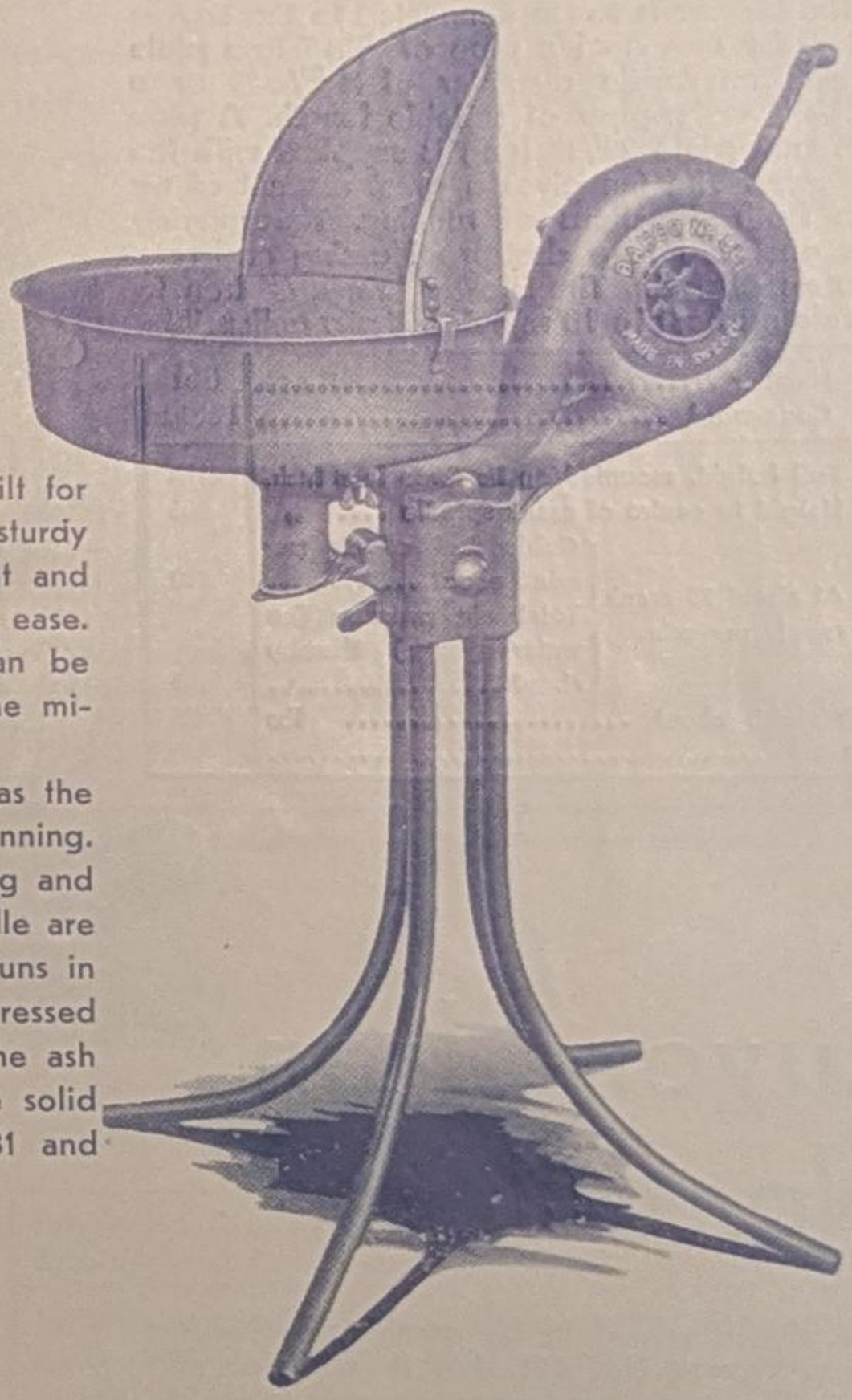
Nos. 880 & 882.

Number	873	880	882
Code-word	Faiyp	Fajed	Faivo
Height to upper edge of fire pan.... inch.	30⅞	31½	31½
Height to centre of crank spindle .... ,,	33½	33⅝	33⅝
Diameter of fire pan ..... ,,	17	18	22
Weight, about ..... lbs	37½	62	68
Price			

BAHCO

Field Forges

PATENTED



Bahco Field Forges Nos. 881 and 883 are built for extra long and satisfactory service. They have sturdy dimensions without unnecessary dead weight and they give an effective blast with the greatest ease. They stand steadily when used and they can be taken to pieces for transport in less than one minute without the help of any tools.
The crank is easily accessible, and the fan has the same great efficiency in both directions of running. The gearing is enclosed in a dust-proof casing and runs in an oil bath. The cogs of the fan spindle are cut spirally (for silent running). The spindle runs in adjustable ball bearings. The fire pan is pressed from one single sheet of thick steel plate. The ash gate is hinged and balanced. In short, more solid and reliable field forges than Bahco Nos. 881 and 883 are not to be found.

Number	881	883
Code-word	Fagyp	Faixd
Height to upper edge of fire pan ..... inch.	35½	35½
Height to centre of crank spindle ..... "	36¼	36¼
Diameter of fire pan ..... "	18	22
Weight, about ..... lbs	93	101
Price		

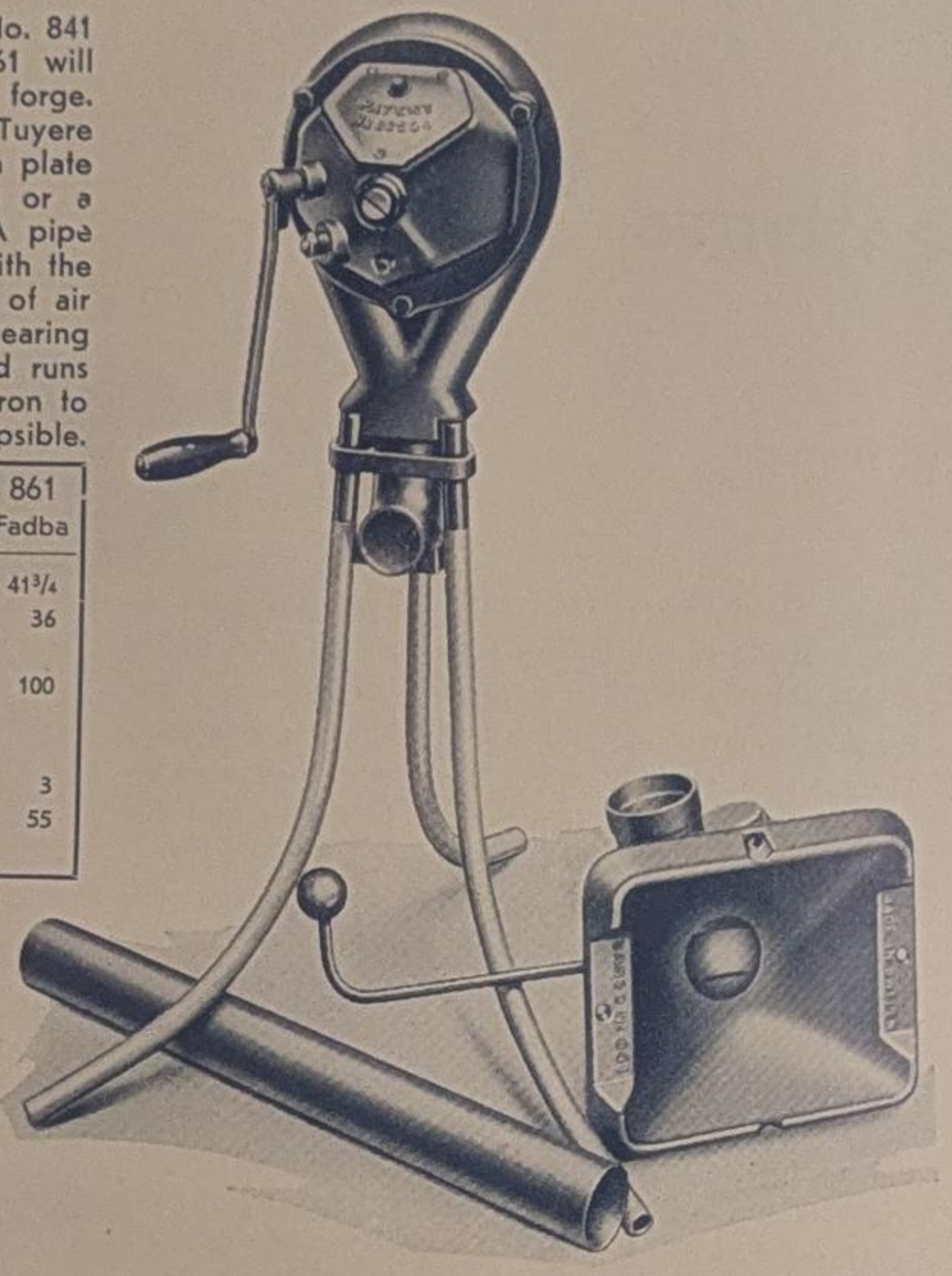
Bahco Field Forge No. 881 will bring 4" iron to welding heat in 10 minutes. — A quality product in a class by itself.

BAHCO

Separate Hand-power Blower

Together with the Bahco Tuyere Iron No. 841 the hand-power blower Bahco No. 861 will constitute a cheap and practical smith's forge. The blower is to be connected to the Tuyere iron by means of a pipe of $^{3}/_{64}$″ iron plate (with an inside diameter of 2 $^{29}/_{32}$″) or a 2$^{3}/_{4}$ ″ water-pipe of suitable length. A pipe of iron plate 29$^{1}/_{2}$″ long is supplied with the blower. The fan gives a great amount of air in both directions of running. The gearing is enclosed in a dust-proof casing and runs in an oil bath. The blower brings 4″ iron to welding heat in 10 minutes. Easily collapsible.

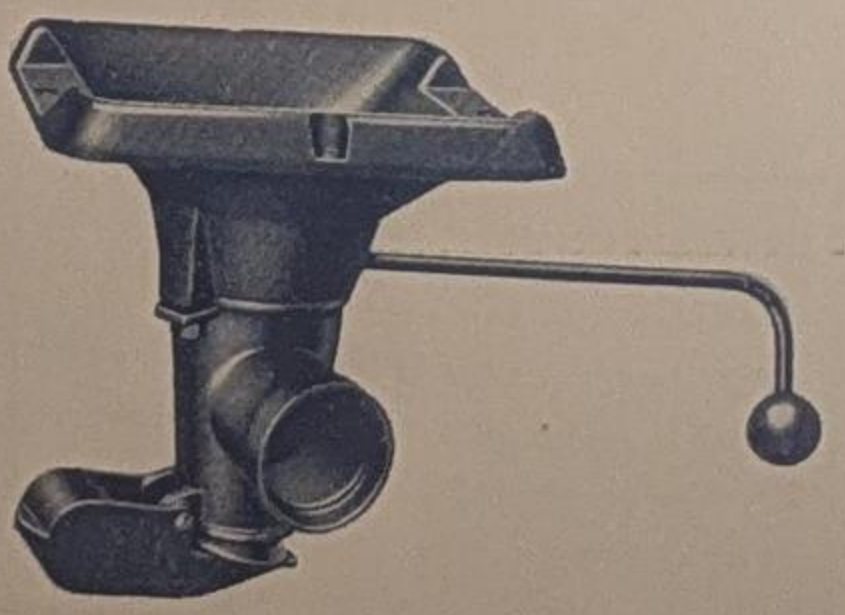
Number			861
Code-word			Fadba
Full height, mounted on its three legs		inch.	41$^{3}/_{4}$
Height to centre of crank spindle		″	36
At about 70 crank revol. per min.	Cubic feet of air per min., about		100
	Total air pressure (on water gauge) thereby about		3
Weight, about		lbs	55
Price			



Tuyere Iron No. 841

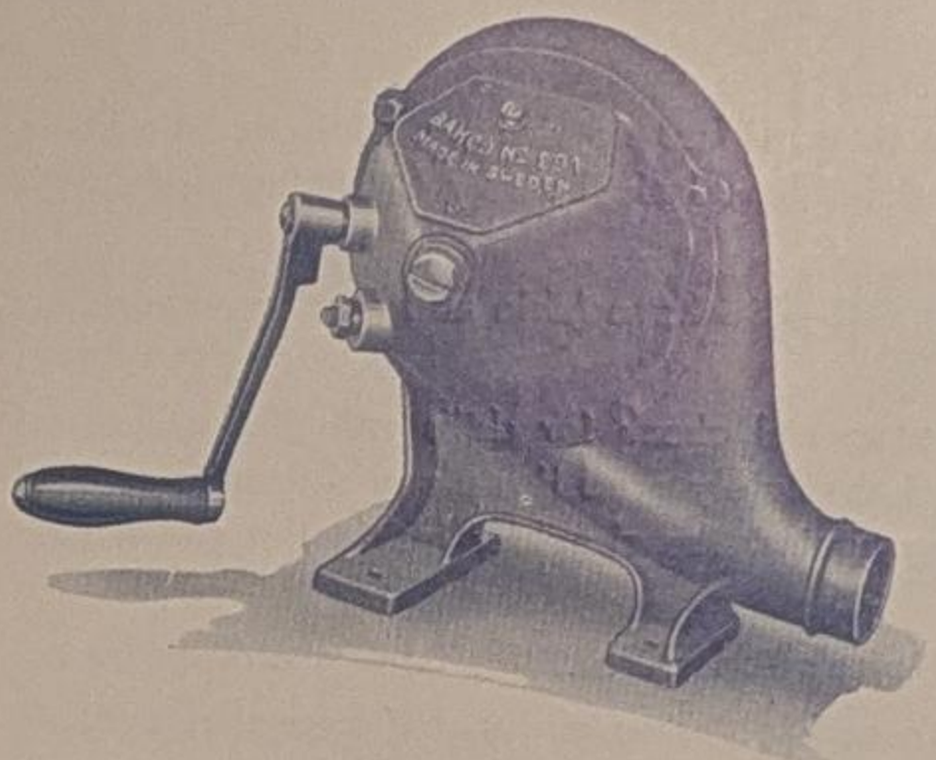
Specially intended to be combined with the Bahco blower No. 861, but it will also suit any other blowing system as well. Easy to install. The nozzle can be swung for removal of ashes, etc. Nozzle manipulator runs in copper bearings. Large fire pan with raised side rims.

Number			841
Code-word			Fadam
Inside dimensions of fire pan	Length	inch.	11$^{1}/_{2}$
	Width	″	9$^{1}/_{2}$
	Depth	″	4
Inside diameter of inlet		″	3
Weight, about		lbs	43

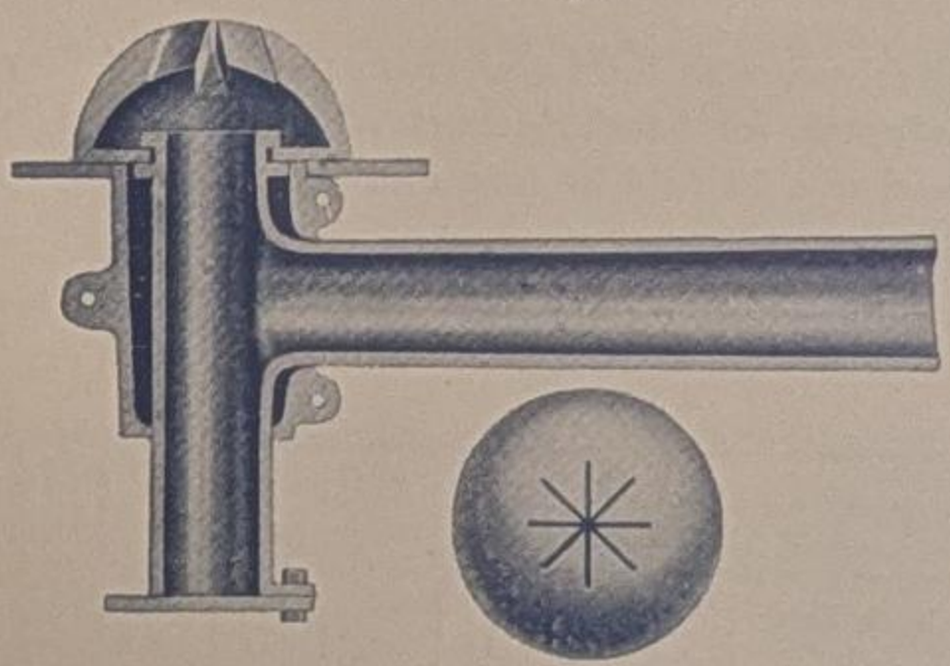


BAHCO

Bahco Nos. 889 and 890.



Bahco No. 891.



Hand-power Blowers

Effective and convenient blowers for small blacksmith's forges, etc. The gearing is enclosed in a dust-proof casing and runs in an oil bath. The fan spindle is of the very best steel and has machine-cut cogs. The fan supplies the same amount of air in both directions of running. The casing of Nos. 889 and 890 can be swung so that the outlet can be placed in any direction desired.

Number	889	890	891
Code-word	Faipu	Faifs	Fabac
Outer diameter of outlet .... inch.	2 7/16	2 7/16	2 13/16
Total height ..... "	12 3/16	12 3/8	15 1/4
Forge fire	1	1	1
At about 90 crank revolutions per min.:			
Cubic feet of air per min., about	45	70	100*
Total air pressure (on water-gauge) thereby, about .. inch.	2 1/2	3	3*
Weight, about ..... lbs	21	24	48
Price			

* Calculated at about 70 crank revolutions per minute.

Tuyere Irons

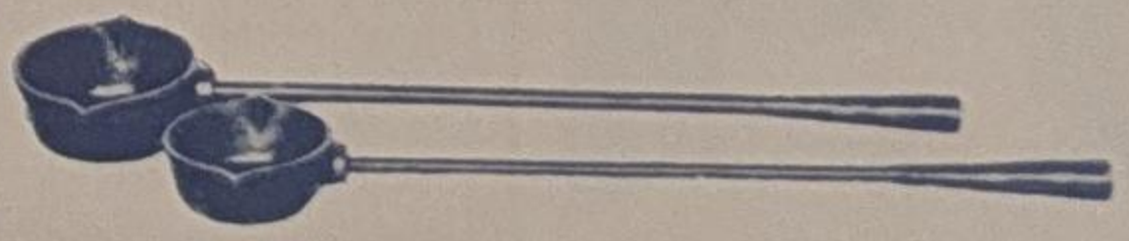
The Bahco Tuyeres Nos. 834 and 835 will suit all types of forges and all blowing systems.

Number	834	835
Code-word	Fafjo	Fafyz
For ordinary or large-size forgings	Ordinary forging	Heavy forging
Inside diameter of pipe .... inch.	2 1/8	3 1/8
Diameter of nozzle ..... "	5 1/2	6 7/8
Weight, about ..... lbs	32	58 1/2

Melting Ladles

Number ..... PRIMUS	907	908
Code-word	Luaga	Luaip
Inside diameter ..... inch.	4 3/4	5 1/2
Weight, about ..... lbs	4	5 3/4
Length ..... inch.	28 3/8	30 1/2
Price		

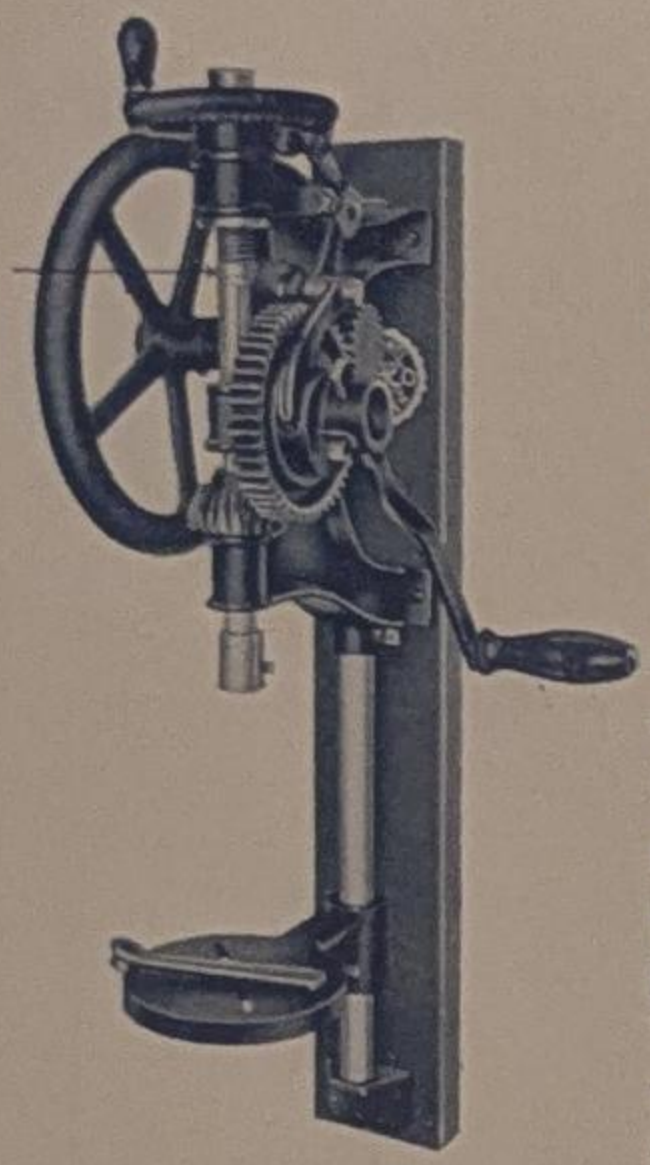
Of cast-iron with handle of wrought iron. Two spouts in the rim.



BAHCO

Wall Drilling Machines

For hand driving or for combined hand or belt driving. One speed. Instantly adjustable self-feeding. Fly-wheel placed vertically.



No. 391.

The table and arm are adjustable up and down, right and left. Spindle made of specially hardened steel. With automatic self-feed adjustable in three speeds.

For hand power only:

No. 391 has a single table (i. e., it has no drilling arm). Its spindle is provided with 1/2" hole and hardened steel screw for fixing drills with 1/2" cylindrical shank.

The following patterns, Nos. 393—398 have table and arm corresponding to ill. No. 398.

No. 393 is provided with a special chuck for drills with 1/2" cylindrical shank. The drill will be held absolutely rigid if a plane surface is ground on to the drill shank fitting against the shoulder inside the chuck (see small drawing).

No. 394 is provided with Morse's Taper No. 2 for taper shank drills.

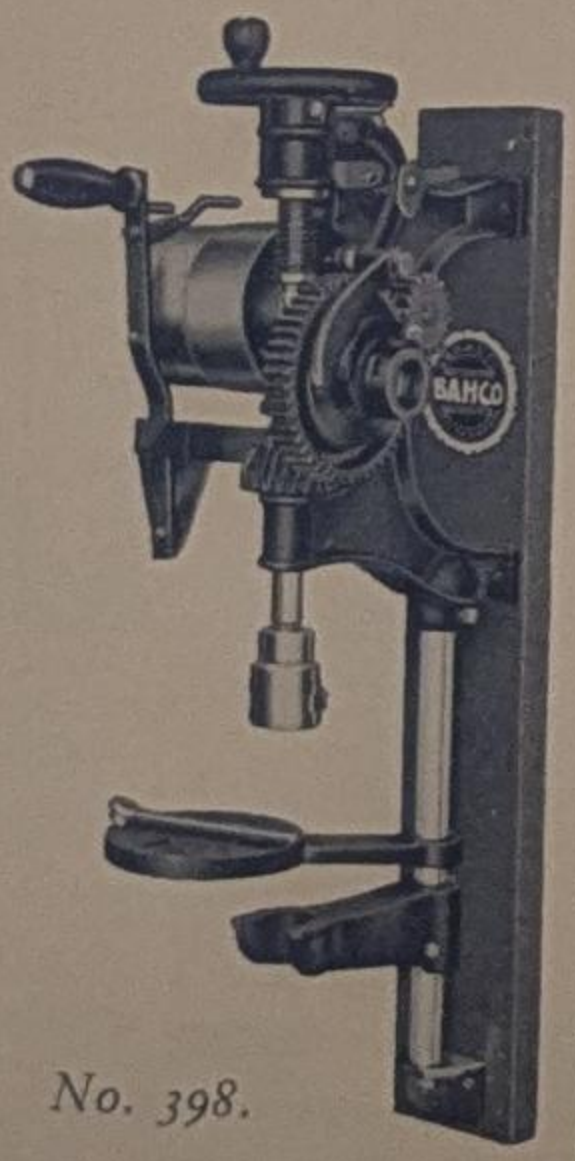
No. 395 is provided with a self-centering chuck, 1/2" capacity, suitable for drills with cylindrical shank.

For hand or belt power:

Nos. 397 and 398 are belt driven, with tight and loose pulleys, but they are also provided with a crank for hand driving. When belt-drive is employed, the crank is used as a belt-shifter (see illustration).

No. 397 has Morse's Taper No. 2 for taper shank drills.

No. 398 is provided with self-centering chuck, 1/2" capacity, suitable for straight shank drills.



No. 398.

Number	391	393	394	395	397	398
Code-word	Veerw	Veesm	Veewb	Veexd	Veeyf	Veezg
Will drill with a feed of 3 teeth holes up to ..... inch.	1/2	1/2	1/2	1/2	1/2	1/2
Will drill with a feed of 2 teeth holes up to ..... "	5/8	5/8	5/8	5/8	5/8	5/8
Will drill with a feed of 1 tooth holes up to ..... "	1	1	1	1	1	1
Distance from spindle to column ..... "	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
Greatest distance from spindle to table "	11 3/4	10 1/4	13 3/8	9 7/8	13 3/8	9 7/8
Diameter of pulleys ..... "	—	—	—	—	4 7/8	4 7/8
Face of pulleys ..... "	—	—	—	—	2 3/16	2 3/16
Weight, about ..... lbs	53 3/8	56 1/2	57 3/4	54	56 1/2	55
Price						

BAHCO

Wall Drilling Machines

With horizontal fly-wheel. For hand driving or for combined hand or belt driving. One speed. Instantly adjustable self-feeding.

No. 400.

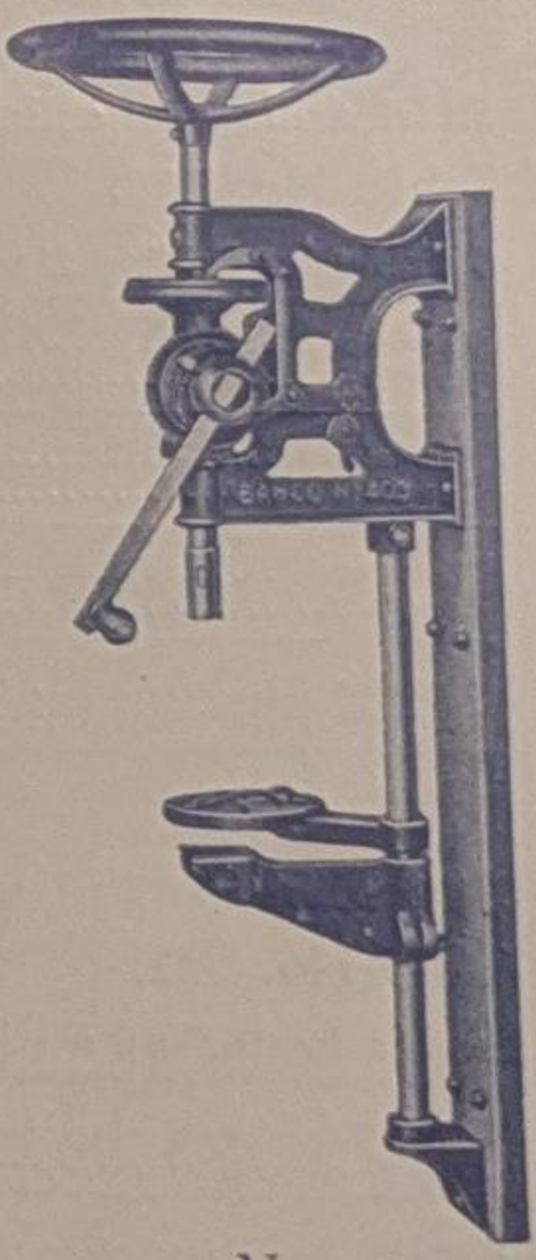
No. 400 R.

Table and arm adjustable up and down, right and left. The spindle is made of specially hardened steel and has its self-feed adjustable for 3 speeds. **No. 400 and 400 R** have the spindle provided with a 1/2" cylindrical hole and hardened steel screw for the fixing of drills with 1/2" cylindrical shank.

No. 403 and 403 R have Morse's Taper No. 2 for taper shank drills.

Nos. 400 R and 403 R can be hand or belt driven.

In the latter case the crank must be removed.



No. 403.

Number	400	403	400 R	403 R
Code-word	Vdril	Veabo	Veybs	Veydd
Will drill with a feed of 3 teeth holes up to ..... inch.	9/16	9/16	9/16	9/16
Will drill with a feed of 2 teeth holes up to ..... "	11/16	11/16	11/16	11/16
Will drill with a feed of 1 tooth holes up to ..... "	1	1	1	1
Distance from spindle to column ..... "	7 1/4	7 1/4	7 1/4	7 1/4
Greatest distance from spindle to table "	10 3/4	14 3/4	10 3/4	14 3/4
Diameter of pulley ..... "	—	—	4 13/16	4 13/16
Face of pulley ..... "	—	—	1 5/8	1 5/8
Weight, about ..... lbs	68 3/8	70 1/2	70 1/2	72 3/4
Price				

BAHCO

Twist Drills for drilling machines

Made of best Swedish steel.

With Taper Shank, to fit Morse's sockets:

Table No. 300.

Suitable for Drilling Machines Nos. 394, 397, 403 and 403 R.

Diameter	inch.	1/4	9/32	5/16	11/32	3/8	13/32	7/16	15/32	1/2	17/32	9/16	19/32
Length	mm.	155	160	165	170	175	180	185	190	195	200	215	215
Diameter	inch.	5/8	21/32	11/16	23/32	3/4	25/32	13/16	27/32	7/8	29/32	15/16	31/32	1
Length	mm.	220	225	235	240	240	245	250	265	265	270	275	280	285

Table No. 302.

Suitable for Drilling Machines Nos. 394, 397, 403 and 403 R.

Diameter	mm.	2—4	5	6	7	8	9	10	11	12	13	14
Length	"	—	145	150	160	165	170	175	180	190	195	200
Diameter	mm.	15	16	17	18	19	20	21	22	23	24	25
Length	"	215	225	230	240	240	245	250	265	270	280	285

Short drills with cylindrical shank, for chucks, etc.:

Table No. 308.

Suitable for Drilling Machines Nos. 395, 398, 400 and 400 R.

Diameter	mm.	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7
Length	"	38	48	55	62	70	75	80	85	90	95	100	104	108
Diameter	mm.	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12,5	13	13.5	14
Length	"	112	115	120	125	130	135	140	145	150	155	155	160	165	170
Diameter	inch.	1/16	5/64	3/32	7/64	1/8	9/64	5/32	11/64	3/16	13/64	7/32	15/64	1/4	17/64
Length	mm.	49	52	60	66	72	76	80	84	86	92	96	100	102	106
Diameter	inch.	9/32	19/64	5/16	21/64	11/32	23/64	3/8	25/64	13/32	27/64	7/16	29/64	15/32	31/64	1/2
Length	mm.	108	112	115	120	120	125	130	135	135	140	145	150	150	155	160

Drills with 1/2" × 2 1/4" cylindrical shank:

Table No. 332.

Suitable for Drilling Machines Nos. 395, 398, 400 and 400 R.

Diameter	mm.	3	3.5	4	4.5	5	6	7	8	9	10	11	12
Length	"	130	135	140	145	150	150	155	155	155	155	155	155
Diameter	mm.	13	14	15	16	17	18	19	20	21	22	23	24	25
Length	"	155	155	155	155	155	155	155	155	155	155	155	155	155

BAHCO

Lever Shearing Machines

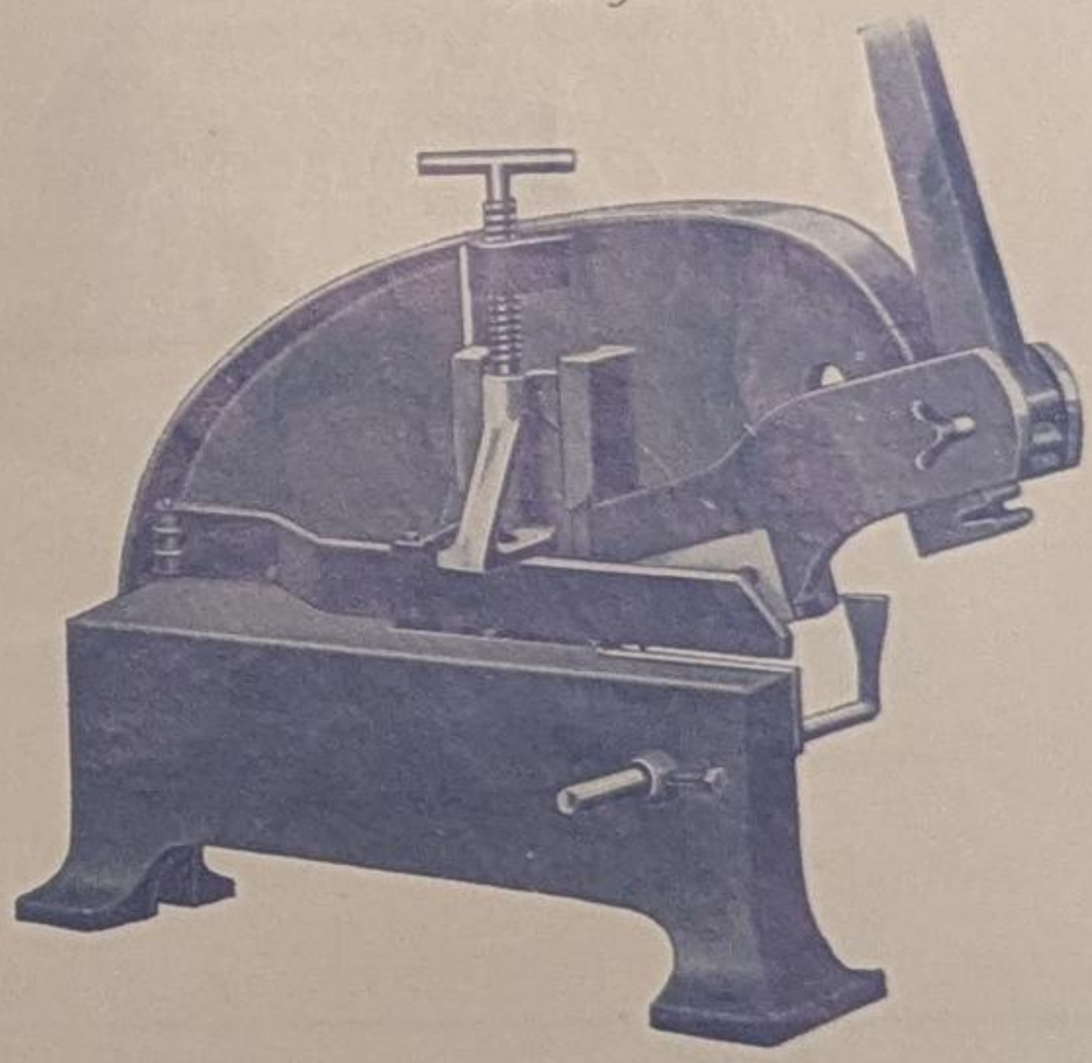
Frame made of best Swedish Martin steel.

Entirely made of malleable iron. Blades of selected tool steel. All bolts and wearing surfaces hardened. The shears will cut through any length and width of sheets. Lever stroke adjustable.

No. 321.

No. 324 has extra long blades.

No. 326, an extra sturdy shearing machine, is provided with a holding-down attachment which can be adjusted both horizontally and vertically, may also be turned aside or taken away if required. It is provided with a special device in the bearing of the movable shear-arm, which is made on the roller friction principle. With this device detrimental tensions and all dead centres at the beginning of the stroke are avoided. For cutting thick plate the cog-lever can be adjusted to a shorter stroke.

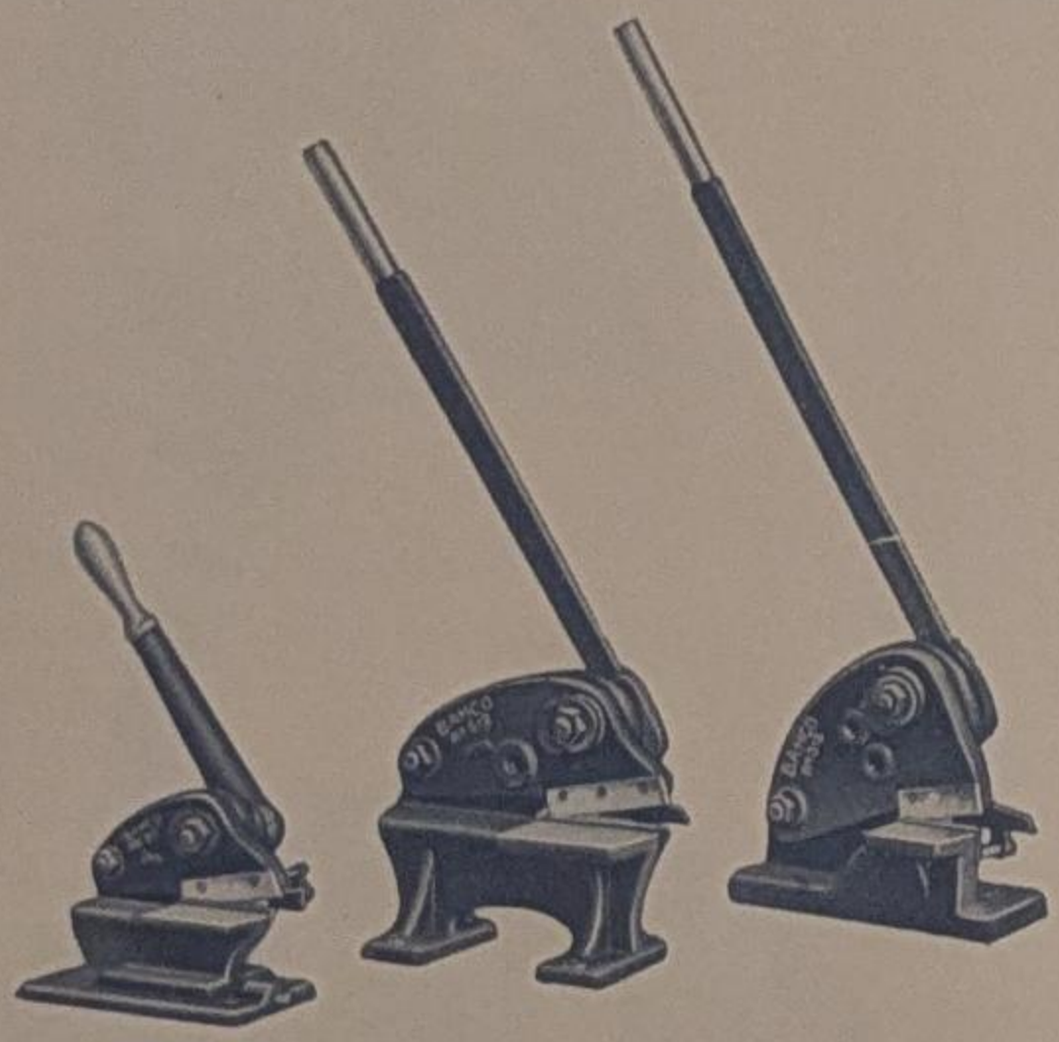


No. 326.

Number Code-word	321 Vekom	322 Veksu	324 Vekub	326 Velip
Length of blades ..... inch.	6 1/4	6 5/8	9 5/8	7 1/4
Cuts sheet iron right through up to a thickness of ..... "	1/4	5/16	5/16	3/8
Cuts bar iron or in edge of sheet iron any length up to a thickness of ..... "	3/8	1/2	1/2	23/32
Cuts round or square bar iron up to ..... "	—	—	—	1
Weight, about ..... lbs	110	154	161	330
Price				

BAHCO

Lever Shears



No. 311. *No. 312.* *No. 313.*

Blades of best Swedish tool steel. Table machined. Upper blade fitted with adjustment screws for correct setting against the lower blade. The ends of the blades are free. Bahco No. 311 is supplied with a detachable bed plate and can be used in a vice if desired.

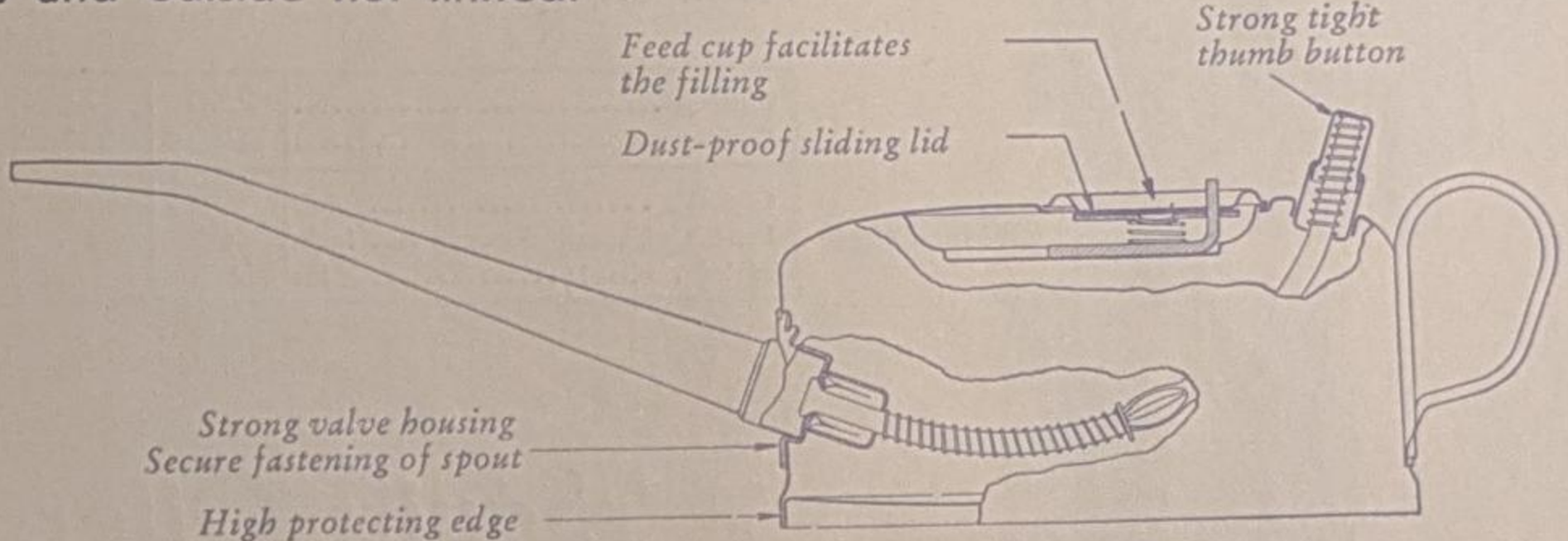
Number	311	312	313
Code-word	Vekaj	Vekgi	Veklo
Length of blades ..... inch.	$3^{9}/_{16}$	$4^{7}/_{8}$	$3^{3}/_{8}$
Cuts sheet iron up to a thickness of ..... "	$^{5}/_{64}$	$^{1}/_{8}$	—
Cuts bar iron up to a thickness of ..... "	$^{1}/_{8}$	$^{3}/_{16}$	$^{1}/_{4}$
Cuts round rod iron up to a thickness of ..... "	$^{1}/_{4}$	$^{1}/_{2}$	$^{5}/_{8}$
Weight, about ..... lbs	22	53	66
Price			

BAHCO

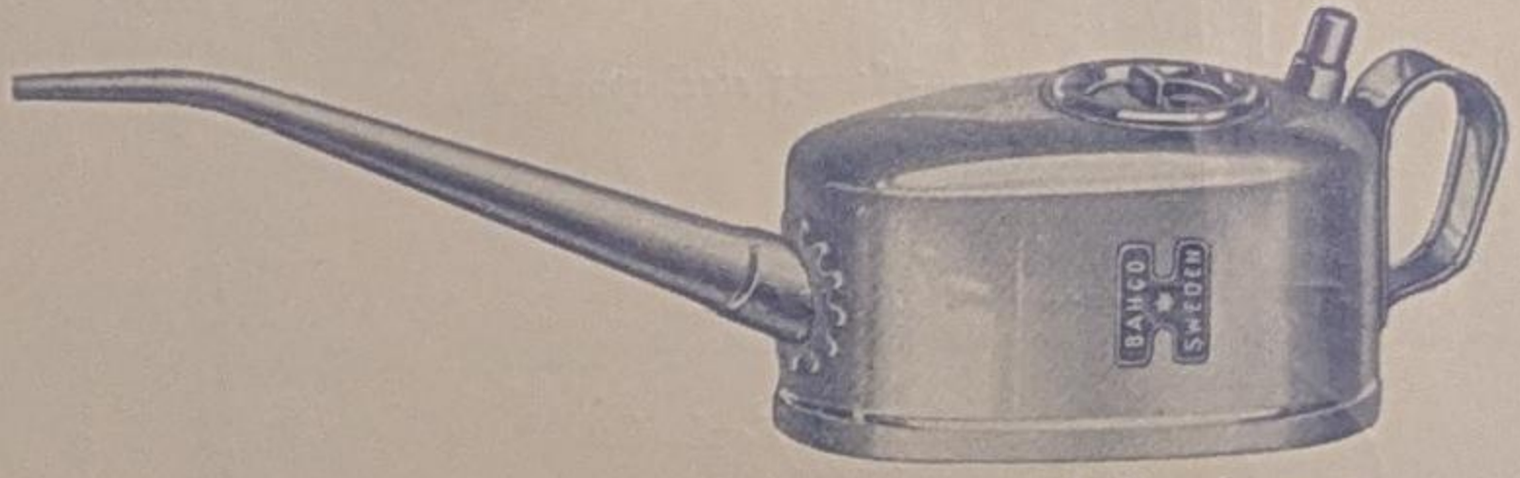
Oil Cans

Pressed from heavy steel-plate, inside and outside hot tinned.

Bahco Oil Cans are manufactured in the PRIMUS Works (experienced specialists in metal pressing and soldering work) and, consequently, of the same high quality as PRIMUS stoves and blow lamps which are known all over the world.



Section view of Bahco No. 2302.



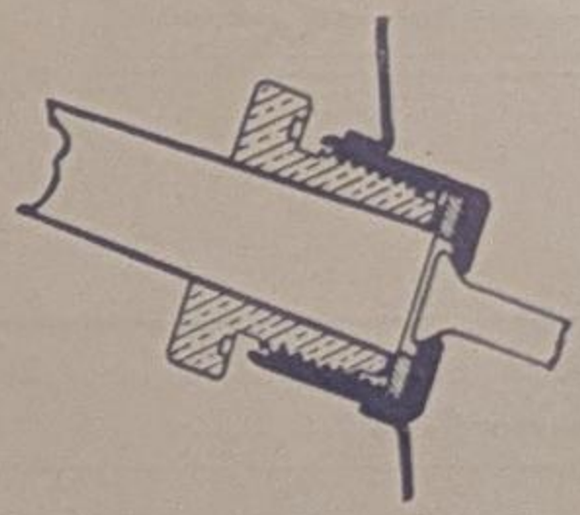
No. 2302 with fixed spout.

Bahco Nos. 2301—2303 with fixed spout:

Number	2301	2302	2303
Code-word	Sanft	Scabs	Scipu
Capacity ..... pints	3/8	1/2	13/16
Length of spout ..... inch.	6 5/16	6 5/16	6 11/16
Weight, about ..... lbs	5/8	5/8	1

Bahco Nos. 2311—2313 with screwed spout:

Number	2311	2312	2313
Code-word	Siaac	Siadt	Siael
Capacity ..... pints	3/8	1/2	13/16
Length of screwed spout ..... inch.	6 1/8	6 1/8	6 1/8
Weight, about ..... lbs	3/4	13/16	1 1/16

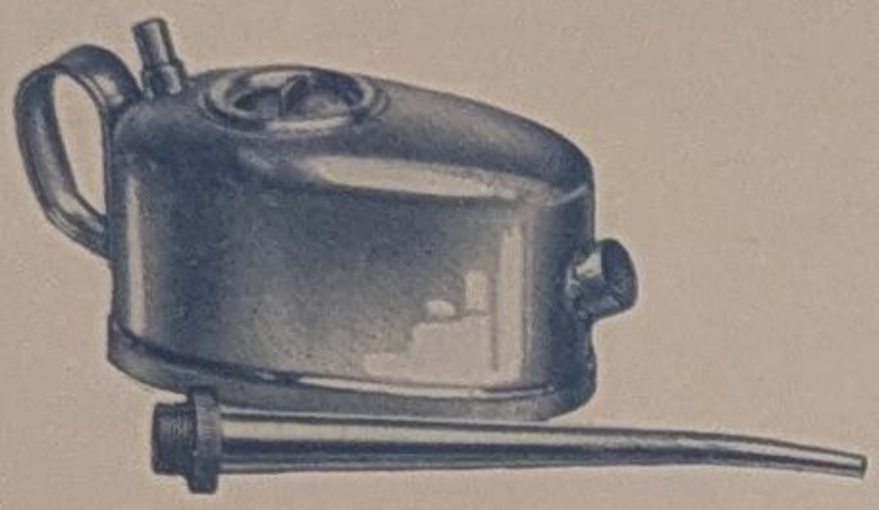


Section view of the screw connection of Bahco Nos. 2311—2313 and 2321—2323.

BAHCO

Oil Cans

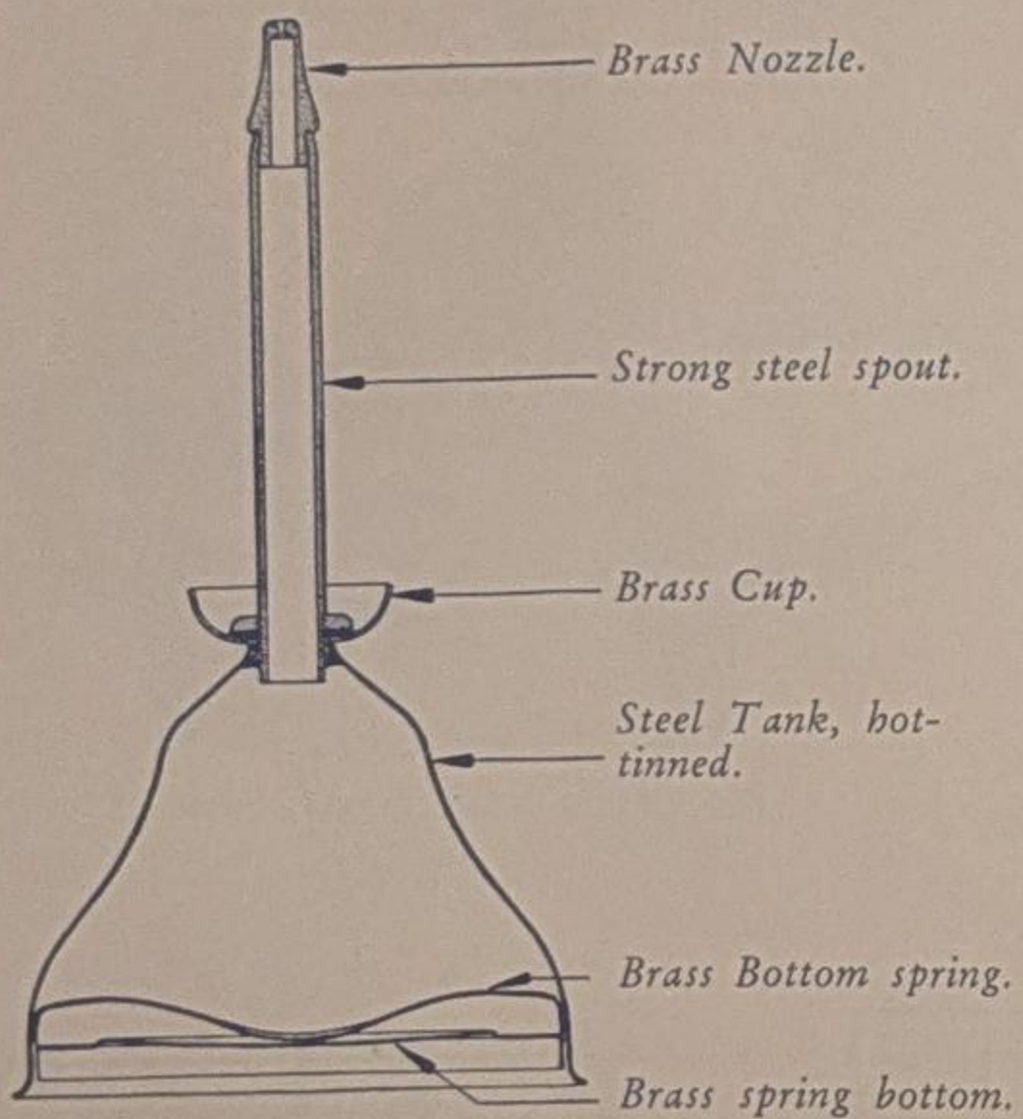
Pressed from heavy brass plate. With screw-on spout.



Number	2321	2322	2323
Code-word	Siafz	Siahi	Siajp
Capacity ..... pints	3/8	1/2	13/16
Length of screwed spout .... inch.	6 1/8	6 1/8	6 1/8
Weight, about ..... lbs	11/16	7/8	1 1/8

Squirt Oilers

Pressed from heavy steel-plate.



No. 2296.

No. 2297.

Number	2296	2297
Code-word	Sajno	Saklu
Capacity ..... pints	3/16	3/16
Full height ..... inch.	6 1/8	7 7/8
Weight, about ..... lbs	3/16	5/16

BAHCO

Explosion-proof petrol (gasoline) Cans

These practical petrol cans, controlled by Swedish Authorities, are indispensable everywhere where petrol is stored and apportioned in small quantities, such as, for instance, in printing offices, repair shops, etc.

By pressing the spout inwards a valve in the spout is opened so that the petrol can pass out. As soon as pressure is released, the valve is shut automatically. The can is made entirely of brass and finely polished.

Number ..... PRIMUS		2292
Code-word		Saiqs
Capacity	pint	1
Total height	inch.	7 1/4
Diameter of tank	"	3 1/2
Weight, about	lbs	3/4

No. 2292.

Printed in Sweden by Ernst Westerbergs Boktryckeri A.-B. Stockholm 1938.

1938

DROP FORGED TOOLS

BAHCO

SWEDISH STEEL

REG. TRADE MARK